# CATALOGUE OF COINS IN THE

# PROVINCIAL MUSEUM LUCKNOW

BY

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COINS OF THE MUGHAL EMPERORS

IN TWO VOLUMES

VOL. I

PREFACES AND PLATES

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# PREFACE

Some justification seems needed for the publication of this Catalogue so soon after the appearance of Mr. R. B. Whitehead's Catalogue of the Coins of the Mughal Emperors in the Panjab Museum (1914) and Mr. H. Nelson Wright's Catalogue of the Mughal Coins in the Indian Museum (1908).

As it was represented to me that, with these two works available, and with little fresh matter to record, there could be little general demand for this Catalogue, I consulted the leading numismatists in India with regard to their views in They cordially responded to my application, and their opinions may be generally stated as follows: that the Catalogue should be published as soon as possible, for the value of such a work lay in its being a Catalogue, and not in the amount of fresh original matter it contained; and that among specialists there would be a certain and continuous demand for it. At the same time they gave some valuable suggestions as to the form the Catalogue should take, most of which have been adopted. For example, it was obviously unnecessary to increase the bulk of the volumes by reprinting the Mint notes which appear both in Mr. Nelson Wright's and Mr. Whitehead's Catalogues. I have, therefore, merely given a list of mints, indicating the coins of the several emperors to be found in this collection, and in short notes marked as exactly as possible the periods during which the various honorific titles were used. Fresh matter of numismatic or historical interest has been incorporated in foot-notes.

Volume I has been devoted to introductory matter and plates, and contains a list of all known Mughal couplets with reference to this and other collections. It also contains a list of words and phrases used on the coins, with their meanings, and also a list of denominational epithets and terms

PREFACE

used in connexion with Mughal numismatics. In addition to the plates of coins at the end of the volume there are four plates of ornaments, and an index has been added giving references to the coins on which they appear.

In compiling this Catalogue, which comprises Volume II, I have attempted throughout to further the object which students of the Mughal series have now chiefly in viewa complete corpus of Mughal coins based on the Mint system. It did occur to me that, in cataloguing this collection, an arrangement by mints instead of by reigns might be adopted; but valuable as, in my opinion, this would have been, it would have detracted seriously from its usefulness as a work of reference. It was also suggested that changes in type might be marked more definitely by printing the number of the first coin, exhibiting each such change in thicker characters: but it seemed to me that this would be premature before numismatists have agreed upon what constitutes a type. An attempt has, however, been made to furnish data as far as possible towards this end by marking alterations in style and ornament perhaps more minutely than has been done The determination of what constitutes a type, and the determination of the different types of the several emperors, is, as Mr. R. Burn has pointed out, a most necessary preliminary to the compilation of a corpus. determination of mint marks and ornaments, and the allotting of fixed numbers to these, as well as to the couplets, are equally necessary; and in all these directions I trust that this Catalogue shows some advance.

In one respect the collection of Mughal coins in the Lucknow Museum <sup>1</sup> stands apart from all similar collections: the bulk of the coins which it comprises have been, as will be seen later, derived from treasure trove. The United Provinces, situated as they are in the very centre of the Mughal dominions, and including within their territory some of the most important centres of Mughal government, have

<sup>&</sup>lt;sup>1</sup> The collection in the Nagpur Museum has been derived in the same way, but as no printed Catalogue exists it is impossible to determine how it compares with other collections.

been far more prolific in 'finds' of the coins of that dynasty than any other province in India. Not only have most of the rare coins been acquired in this way in the past, but the collection is being yearly augmented from the same source. The collection of coins in the Provincial Museum,

The collection of coins in the Provincial Museum, Lucknow, originated in 1868; but coins were amassed in a more or less haphazard fashion until in December, 1898, the first Coin Committee, consisting of the late Mr. Vincent A. Smith, Mr. H. N. Wright, the late Mr. J. Hooper, the late Dr. W. Hoey, Capt. (now Lt.-Col.) W. Vost, and Mr. R. Burn (Secretary) was constituted. The functions of this Committee are to advise Government on the acquisition and distribution of treasure trove in the United Provinces, and on the acquisition of other coins for the Museum. The Secretary compiles a complete list of coins in each find, and places these on record. A mass of information is thus accumulating which in time will be of the greatest value. For ancient and mediaeval coins it will give a clue to the strikers. In the case of Pathān and Mughal coins it will help us to estimate the volume of coinage at different dates and places. Statistics of the total number of finds and lists of rarities included in them are published in the annual reports of the Museum.

At the time of the constitution of the first Committee the Pathān, Sūrī, and Mughal coins together numbered 1390. From this time, owing to the enthusiasm of the Committee and particularly of its Secretary, the collection, especially the Mughal section, rapidly enlarged. The figures for Mughal coins alone examined and distributed among various Indian Museums for the next five years gives an idea of the wealth of the treasure trove of the United Provinces: for 1900, 1,055 coins; 1901, 566; 1902, 622; 1903, 1,475; 1904, 502. It may be of interest to mention in a little more detail three of the richest finds. In 1899 at Kāshīpūr in the Nainī Tāl district was discovered a hoard of 491 silver coins of Akbar and Jahāngīr in perfect condition: among these was an Ahmadnagar Ilāhī rupee of Akbar (No. 262), and most of the fine coins of Jahāngīr which the Museum possesses, including the two fine couplet rupees of Ajmer (1198, 1199), and the

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unique rupee of Urdū dar rāh-i-Dakkan (1280). In 1905 a find at Durgāpūr (Bāra Bankī district) of 859 copper coins of the Sūrīs and the Emperor Akbar contained most of the early Akbar copper coins in the collection, including the dāms of Akbarpūr Tānda (850–853), Khiṭa Awadh (876–880), Bahraich (881-884), Khairābād (913–917), Lakhnau (1068–1073), the rare dām of Jaunpūr, with the geometrical device (905), and many others. The richest hoard¹ from which the Museum has benefited was the magnificent find of 1388 silver coins from Jhānsi in September, 1907. These were largely of Akbar's early years, and among them were coins of the following mints: Akbarpūr Tānda (No. 271), Anahrwāla Pattan (319), Elichpūr (321), Bālāpūr (323), Bangāla (362), Bhakkar (365 a), Hiṣār Fīroza (475), Gadraula (547), Lakhnau (704), besides some undeciphered coins.

In 1904, largely through the exertions of Mr. Burn, the collection of Mughals of the late Mr. R. W. Ellis, of Jubbulpore, was secured for the Lucknow Museum. It consisted of 84 gold, 1670 silver, and 533 copper coins. It was strong in the silver and copper issues of Akbar, and contained particularly fine silver and copper coins of Shāh 'Ālam II; thence came also the muhr of Bedār Bakht (5300) and one of the rupees of Bahādur Shāh.

In 1899 Mr. Burn undertook to arrange and catalogue the Mughal coins with a view to publication. A large number of coins were arranged and catalogued by him, but as the coins increased and his official duties became more onerous he was reluctantly compelled to abandon the idea, and the task in 1914 devolved upon me.

The total number of coins included in this Catalogue is 5,802—224 gold, 4,895 silver, and 683 copper. The silver alone exceed the total number of coins (3,283) in the Lahore Mughal collection, but a large number are duplicates. Out of the 206 known mints 132 are represented here. Except for the pretenders Dāwar Bakhsh and 'Azīmu-sh-Shān, all the Mughal emperors are represented. The collection is very weak in rare gold coins: it possesses but three of Jahāngīr's

<sup>&</sup>lt;sup>1</sup> For this find see J.A.S.B., Num. Suppl. XI, p. 323, an article by Col. Vost.

zodiacal mohars, and no specimen of his Bacchanalian coins. Niṣārs and small pieces are poorly represented, and several fairly common mints such as Dera and Derajāt are unrepre-On the other hand, it is particularly strong in Akbar's silver and copper series, and in the silver issues of the later Mughals: but the 618 silver coins of Jahangir are the glory of the collection. Again, it is specially strong in series of coins, which are to be found in every reign; I may instance the Ahmadābād silver of Akbar and Jahāngīr, the Dehlī rupees of Jahāngīr, and the 'Ālamgīrpūr silver of In Mr. Whitehead's Mint Towns of the Aurangzeb. Mughal Emperors of India,1 and in his supplement to the same in N.S. xxv, § 147, there occur nineteen entries of coins from this collection as being either unique or known for the first time to exist in this collection: three of these, however, are wrongly so entered. In addition there are seven other entries under the figures XI2 and XXII, which refer to coins in the Museum.

I have made use of the transliteration adopted by the Council of the Asiatic Society of Bengal, and published in their Journal for 1895, except that for ج I write ch. To take two examples, غظيم أبان is transliterated 'Azīmābād, جهجرولي, Chhachraulī.

I have already indicated how much I owe in the compilation of this Catalogue to Mr. R. Burn, who, in addition to the work that he had already done on the Lucknow Collection, has been continually helpful in giving advice.

I am in a special measure indebted to Messrs. H. Nelson Wright, I.C.S., and Mr. R. B. Whitehead, I.C.S., who have allowed me to use certain features of their Catalogues of the Mughal coins in the Indian Museum and the Panjab Museum, with the consent of the Trustees of the Indian Museum and the Panjab Government. The present Catalogue is indeed based upon those admirable works. In

<sup>&</sup>lt;sup>1</sup> J.A S.B. (N. S.), vol. VIII (1912), No. 11, § 44, p. 425.

 $<sup>^2</sup>$  XI and XXII refer to articles in those numbers of the Numismatic Supplement, J.A.S.B.

addition I have constantly consulted them on numerous points. Dr. Geo. P. Taylor, of Ahmadābād, very generously put at my disposal a manuscript list of Persian couplets which he had prepared, and thereby considerably curtailed my labour.

I cannot conclude without mentioning the work of Lt.-Col. W. Vost, Messrs. W. E. M. Campbell, I.C.S., and H. Nevill, I.C.S., who have acted as secretaries to the Lucknow Coin Committee: their reports on coins derived from treasure trove have been of the greatest assistance. I am also much indebted to Babu Rayag Dayal, Assistant Curator of the Lucknow Museum, for continual help in arranging the Collection, and in many other ways.

In a work of this kind in spite of every precaution there must I fear be a number of defects, but certain blemishes in this Catalogue need an explanation. The work was complete and ready for the press early in 1917, when the special conditions imposed by the war stopped its publication. When in February of this year, with the advent of happier times, the project of printing was revived it was found that during the last two years about five hundred fresh Mughal coins, mostly from treasure trove, had been added to the Collection. To re-write the Catalogue entirely would have caused undue delay, and so the 408 additional coins have been inserted in the work as it then stood; this explains a number of rather unsightly entries such as No. 1924 a, 5086 k, &c.

For a similar reason two numbers, 5191 and 5192, have dropped out of the Catalogue, in consequence of the mint name Pūna being settled subsequently to 1917, and the two coins removed to their correct position: lastly, it has been impossible to assign coins Nos. 4851 a-4855 their right position, as the coins with the readings giving the clue to their correct place turned up too late to enable this to be done without serious disfigurement. Every attempt has nevertheless been made to bring the Catalogue into line with the most recent information on Mughal numismatics, in which connexion one cannot help expressing gratitude

for the admirable series of articles which have appeared during the past two years in the *Numismatic Supplements to the Journal of the Asiatic Society of Bengal* from the pen of Mr. S. H. Hodiyālā.

I must, in conclusion, make a last acknowledgement, the greatest of all, to Messrs. W. E. M. Campbell and John Allan, who have taken upon themselves the arduous duty of seeing these volumes through the press; and the Clarendon Press I must thank for the accuracy and excellence of their work.

C. J. BROWN.

LUCKNOW, March, 1920.

# LIST OF ABBREVIATIONS.

A. D		Anno Domini.
Æ. ·		copper.
A. H		year of Hijrī era.
Æ		silver.
A		gold.
B. M. C.		Catalogue of the Coins of the Moghul Emperors in the
B. M. Cat.		Sritish Museum.
I. M. C		Vol. III of the Catalogue of the Coins in the Indian
I. M. Cat.		Museum (Mughal Emperors).
J. A. S. B.		Journal of the Asiatic Society of Bengal.
M		mint mark or ornament.
N.S		Numismatic Supplement to the Journal of the Asiatic
Num. Suppl.		Society of Bengal.
Pl		Plate.
$P.\ M.\ C.$	. =	Catalogue of Coins in the Panjab Museum, Lahore, Vol. II,
P. M. Cat.	• ,	Coins of the Mughal Emperors.
R		regnal year.
S		size (in decimals of an inch).
Sq		square.
w		weight (in grains).

# LIST OF THE MUGHAL EMPERORS OF INDIA

							A.H.	A. D.
I.	Bābur, Zahīru-d-dīn.				•		932	1526
II.	Humāyūn, Naṣīru-d-dīn	ı .					937	1530
III.	Akbar, Jalālu-d-dīn .				•		963	1556
IV.	Jahāngīr, Nūru-d-dīn				•		1014	1605
	Dāwar Ba <u>khsh</u>						1037	1627
v.	Shāh Jahān, Shihābu-d-	-dīn					1037	1628
	Murād Bakhsh (in Guja						1068	1657-8
	Shāh Shujā' (in Bengal)						1068-70	1657-60
VI.	Aurangzeb 'Alamgīr,	Muḥa	yyĭu-d	-dīn	(Muh	iīu-		
	$\operatorname{d-dar{i}n})$	•	•	•			1068	1658
	$A'$ zam $\underline{Sh}$ āh				•		1118-19	1707
	Kām Ba <u>khsh</u> .		•				1119	1707-8
VII.	<u>Sh</u> āh 'Ālam Bahādur	•			•		1119	1707
	'Azīmu- $\underline{\mathrm{sh}}$ - $\underline{\mathrm{Sh}}$ ān .	•	•		•		1124	1712
VIII.	Jahāndār <u>Sh</u> āh	•					1124	1712
IX.	Farrukhsiyar					•	1124	1713
X.	Rafī'u-d-darjāt						1131	1719
XI.	Rafi'u-d-daula, Shāh Ja	ıhān I	I, .	٠.			1131	1719
	Muḥammad Ibrāhīm .		:				1132 - 3	1720
XII.	Muḥammad Shāh .						1131	1719
XIII.	Aḥmad Shāh Bahādur						1161	1748
XIV.	'Ālamgīr II, 'Azīzu-d-d	īn .					1167	1754
	<u>Sh</u> āh Jahān III .						1173-4	1759-60
XV.	Shāh 'Ālam II						1173	1759
	$\operatorname{Bed\bar{ar}} \operatorname{Ba}\underline{\mathrm{kht}}$						1202-3	1788
XVI.	Muḥammad Akbar II						1221	1806
XVII.	Bahādur <u>Sh</u> āh						1253	1837
	Deposed by the British	Gove	rnme	ıt .			1274	1858

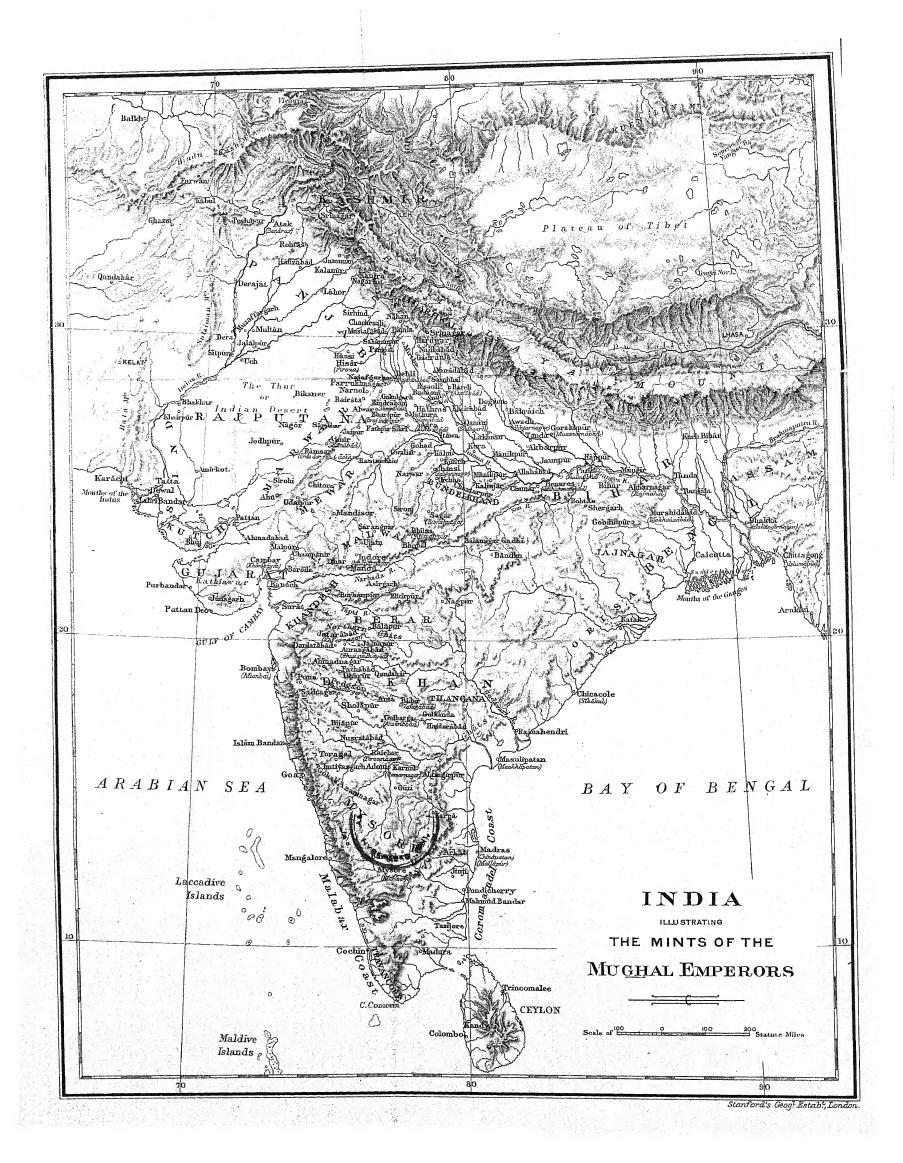
							Murād Ba <u>klisli</u>	Akbar Kām Ba <u>khsh</u>	Khujista Akhtar	12. Muhammad	13. Ahmad	Bedār Ba <u>kh</u> t	
GENEALOGICAL TABLE	TAIMŪR (died A.D. 1405)	1. Вавик (born а. р. 1483)	2. Humāvūn	3. Акван	4. Janāngīn	5. <u>Sн</u> ăн Јанāм	6. Aurangebb Shajā	7. Знан 'Адам Ванаров	8. Јаналоди	14. 'Alamgir II	Ibrākēm	15. <u>Shāh</u> 'Āлам II	16. Muhammad Akbar II
5						Klusrū	Dāvear Ba <u>lshsh</u>	A'zam	'Azīwu-s <u>h-sh</u> ān Raffu-sh-Shān	9 Farrukhsiyar		(017007) 7 1 (7007)	

17. Вана́рої Shāh Note.—The names in italies are those of claimants to the throne who issued coins.

# NUMERICAL SUMMARY OF COINS CATALOGUED

		AJ.	. <del>R</del> .	Æ.
Bābur		. —	9	1
Humāyūn			9	49
Akbar		39	725	408
Jahangir		17	618	37
Jahāngīr and Nūr Jahān			26	
Dāwar Ba <u>khsh</u>		-		
Shāh Jahān		25	666	20
Murād Bakhsh			8	
Shāh Shujā'			2	
Aurangzeb		35	<b>976</b>	30
A'zam Shāh			2	
Kām Bakhsh	•		. 1	
Shāh 'Ālam Bahādur .	•	7	104	1
'Azīmu-sh-Shān				
Jahāndār <u>Sh</u> āh		6	24	•
Farrukh siyar		14	178	3
Rafī'u-d-darjāt		ġ	14	
Shāh Jahān II		1	13	1
Muḥammad Ibrāhīm .			<b>2</b>	
Muḥammad Shāh		36	466	8
Aḥmad Shāh		6	135	2
'Ālamgīr II	•	18	118	8
Shāh Jahān III			8	_
Shāh 'Ālam II		. 15	774	107
Bedār Bakht		1		٠
Akbar II		1	15	8
Bahādur <u>Sh</u> āh	•		2	
		224	4895	. 683
•				

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# LIST OF PERSIAN COUPLETS USED ON MUGHAL COINS

Note. Figures standing alone in round brackets refer to the numbers of coins in this Collection.

#### AKBAR

~ Āgra.

The sun of the stamp of Shāh Akbar is the glory of this gold Whilst earth and sky are illuminated by the shining sun.

A. 49 Āzar (B. M. No. 169). Dī (P. M. No. 136), Isfandārmuz (P. M. No. 137 and B. M.).

50 Khūrdād (B. M. No. 174). Amardād (79).

The 'dīnār-i-jalālī' won felicity

From the stamp of the name of the exalted Shah Akbar.

N. 50 Mihr. (White King Sale Catalogue, No. 3499).

By the stamp of the Emperor Akhar gold becomes bright; On this gold the Shāh's name is 'light upon light'.

A. 50 (B. M.). 51 (B. M. No. 175).

Ilahābād.

Like the gold of the sun and moon, may ever be current In the world's east and west, the coin of Ilahābād.

A. 45-49 R. (307-316).

Bāndhū.

May the current coin of Akbar, the Divine Be equal to (the name of) the fort of Pandhu.

R. Cf. Whitehead, Mint Towns, p. 434.

Bangāla.

The coin of Bangāla became pleasing from this fact That its honour lay in being struck by Akbar  $\underline{Sh}$ āh.

A. (sq.). 39 R (362)-1011 (364).

#### JAHÄNGĪR

General Application.

Made the face of money to shine with the hues of the sun and moon Shāh Nūru-d-dīn Jahāngīr, son of Akbar Bādshāh.

A. Āgra (B. M. No. 290). Dehlī (P. M. No. 911). Lāhor (1196).

A. Akbarnagar (P. M. No. 950). Āgra (1305). Jālnapūr (1482). Dehlī Qandahār (1547). Kashmīr (1602). Lāhor (1630).

On Qandahār and Kashmīr coins this couplet appears in the years 1019-1021: 7 R. On the rest of the mints from 1015: 1 R.-1017: 3 R. The Jālnapūr coin is dateless. Coins of the Lāhor mint are both square and round. For silver coins of Dehli, see I. M. C., p. xlii (Introduction).

Ajmer.

The gold coin became the light of the world at Ajmer By the light of the name of Jahāngīr Shāh, Shāh Akbar['s son].

Æ. 1023: 9 R. (1197).

1025: 11 R. with در اجمير instead of باجمير. (1199).

Except for the mint name identical with the Kashmir couplet, No. 41.

At Ajmer struck on gold the coin of victory Jahāngīr Shāh, Shahanshāh Akbar['s son].

R. 1024: 10 R. (1198).

This coin is supposed to have been struck to commemorate the conquest of Udaipūr. Cf. King and Vost, Some Novelties, Num. Chron., 1896, p. 164.

On the face of coin of gold, resplendent beauty and grace gave The picture of Shāh Nūru-d-dīn Jahāngīr, son of Shāh Akbar. The Shāh, refuge of the faith, struck this coin of gold at Ajmer, Shāh Nūru-d-dīn Jahāngīr, son of Akbar Bādshāh.

N. 1023: 8 R. (B. M. No. 318), a Bacchanalian coin.

(10 a) The couplet on the reverse of No. 10 appears alone on A. 1023: 9 (B.M.) and A. 1025: 11 R. (P. M. No. 890).

Destiny on coin of gold has drawn

The portrait of His Majesty Shāh Jahāngīr.

The letters of Jahāngīr and Allahu Akbar

Are equal in value<sup>1</sup> from the beginning of time.

N. 1023: 9 R. (B. M. 319-321), a Bacchanalian coin.

Aḥmadābād.

In the name Salīm.

The lord of the realm struck money of gold Shāh Sultān Salīm, Akbar Shāh s son.

R. 50 R. Ābān-2 R. Amardād (1200).

1 By the Abjad system of reckoning the letters of عبانگير and الله اکبر both make up 288. For the origin of this cf. Memoirs of Jahāngīr, Rogers and Beveridge, vol. i, p. 253.

In the seven climes may this money be ever current Through the impress of the name of Jahāngīr, Emperor of the World. At. 1027: 12 (1249).

O God, while earth shall last may current be In east and west the muhr of Aḥmadābād.

N. 1028: 14 R. (B.M. No. 306)-1033: 18 R. (P.M. No. 891).

Struck money at Aḥmadābad by the blessings of God Shāh Nūru-d-dīn Jahāngīr, son of Akbar Bādshāh.

(15 a)

<sup>1</sup> A. Aquarius 10 – - ? (B. M. No. 357) with حنانات for از عنایات . Non-zodiacal A. 1017 (P. M. No. 929)–1018 (1211); 1019 (P. M. No. 931); 1027: 13 R.–1033 (1251).

**A**R Cancer 1027 (B. M).

To the money of Aḥmadābād gave ornament Jahāngīr Shāh, Shāhanshāh Akbar['s son].

R. 1027: 13. Cancer (1260). Leo (1262). Scorpio (B. M.).

(17) The following legend though not a 'bait' may be given here: بنام شاه نور الدین جهانگیر مزین باد

May it be beautified by the name of Shāh Nūru-d-dīn Jahāngīr.

.R. 1022-1027 (1228).

A ḥmadānagar.2

At Alimadānagar this coin gave beauty to gold From the impression of the name of Jahāngīr, Shāh Akbar['s son]. At. 12 R.? (1279).

<sup>1</sup> Probably a forgery.

<sup>&</sup>lt;sup>2</sup> For this spelling of the name cf. P. M. C. Introduction, p. xxxvii.

Urdū.

Current be, so long as the sun and moon exist, The coin of the camp (Urdū) of Jahāngīr Shāh.

A. 1036: 22 Aries (Mr. Nelson Wright's Cabinet, also Berlin Museum).
For this coin cf. N.S. I, pp. 3-5.

Urdū dar rāh-i-Dakkan.

Struck coin in the camp on the road to the Dakkan, the king of sea and land. The Emperor of the Age, Shāh Jahāngīr, son of Shāh Akbar.

AR. 1025: 11 (1280).

### Akbarnagar.

Struck coin in Akbarnagar, the king of Heaven's court, Shāh Nūru-d-dīn Jahāngīr, son of Akbar Bādshāh.

Æ. 1019 (1281).

# Āgra.

Struck coin in the city of Agra, the Chosroes, the refuge of the world, Shāh Nūru-d-dīn Jahāngīr, son of Akbar Bādshāh.

W. 1017: 3 R. (1182)-1018: 5 R. (B.M. No. 426).

R. 1017: 3 R.-1018: 5 R. (P. M. No. 962).

With the exception of the mint name this is the same as the Kābul couplet, No. 38.

Struck at Āgra royal coin on gold in the month Mihr Shāh Nūru-d-dīn Jahāngīr, son of Akbar Bādshāh.

A. 1019-5, Mihr (B.M. and Cabinet of the late Mr. F. J. Thanawala).
For this coin see N.S. XXV, § 150, and Rodgers, Lahore Museum Cat, p xi.

In the month of  $\bar{A}b\bar{a}n$  at  $\bar{A}gra$  the shadow of God struck coin  $\underline{Sh}\bar{a}h$  Nūru-d-dīn Jahāngīr, son of Akbar Bād $\underline{sh}\bar{a}h$ .

N. (sq.) 1019: 5 Ābān (P. M. No. 894).

In the month of Bahman at Āgra, the shadow of God struck coin, Shāh Nūru-d-dīn Jahāngīr, son of Akbar Bādshāh.

R. 1019: 5 Bahman (Cabinet of Mr. W. S. Talbot). For this coin see N. S. XIII, p. 232.

In Isfandārmuz this coin at Āgra struck in gold
The Emperor of the Age, <u>Shāh Jahāngīr</u>, son of <u>Sh</u>āh Akbar.

A. (sq.) 1019: 5 Isfandārmuz (I. M. No. 564).

A. (sq.). (P. M. No. 963).

In Farwardīn the gold of Āgra became resplendent like a star, By the light of the coin of Shāh Jahangīr, son of Shāh Akbar. I. 1020: 6 Farwardīn (P. M. No. 895)

To Shah Jahangir belongs the whirligig of Time:

In Agra by his name gold scatters light:

So long as the banner of the Five Guards lasts in the world May this stamp of his Five Muhrs be current.

N. 1028: 14 R. A five-muhr piece. (B. M. No. 305).

The face of gold received ornaments at Agra From Jahāngīr Shāh, Shāh Akbar['s son]

A. 1028: 14-1031: 17. (All twelve signs except Libra, B. M. No. 322, &c.). Gemini (1191).

A. Taurus (B. M. No. 366). Cancer, Gemini (I. M. Nos. 604, 605). Imitation half-rupees (1334-1338).

Non-zodiacal A. 1031: 17 R. (1328)-1036: 21 R.

The money of Āgra gave ornament to gold By Jahāngīr Shāh, Shāh Akbar s sou].

N. 1028: 14 R. Taurus (1190)

R. 1030: 16 Taurus (I.M. No. 603) probably struck from a gold die.

#### Ilahābād.

For ever may the light of the gold and coin of Ilahābād Abide from the name of Shāh Jahāngīr, Shāh Akbar['s son].

A. 1033: 19-1037: 22 (1339).

#### Burhanpur.

The Shāh, refuge of the faith, struck coin in the city of Burhānpūr Shāh Nūru-d-dīn Jahāngīr, son of Akbar Bādshāh.

R. 1017 (1349).

#### Patna.

Struck coin in the city of Patna, the Chosroes, the refuge of the Universe, Shāh Nūru-d-dīn Jahāngīr, son of Akbar Bādshāh.

R. (Cabinet of Mr. H. Nelson Wright.)

Cf. also Coins of the Mogul Emperors, purchased by the Panjáb Government from C. J. Rodgers, Preface, p. x.

#### Dehlī.

In Dehlī struck by favour of the grace of God The coin of victory and triumph Jahāngīr Shāh.

A. 1035: 21 R. (P. M. No. 912).

Fathpūr.

The gold coin became lustrous at Fathpur

By the light of the name of Jahangir Shah, Shah Akbar['s son].

A. 1028: 14 Capricornus, cf. Rodgers, 'Couplets or Baits', J. A. S. B. 1888, p. 26, and Whitehead, Mint Towns, p. 436. (This coin is wrongly quoted as A in B. M. C., p. li.)

Qandahār.

The coin of Qandahār became the heart's desire Through Jahāngīr Shāh, Akbar Shāh['s son].

A. 1025: 11-1031: 17 (1577-1596).

In the name Salīm.

May the coin of Kābul from the abode of the servants of the Living Eternal (one) be ever current in the name of Shāh Salīm. R. 1014-(I.M. No. 686).

Kābul

Struck coin in the city of Kābul, the Chosroes, the refuge of the world. Shāh Nūru-d-dīn Jahāngīr, son of Akbar Bādshāh.

R. 1020: 6 R. (P. M. No. 1072) and 1024: 9 R. (I. M. No. 689). Cf. Couplets No. 22 (Āgra) and 33 (Patna).

So long as coin shall be struck in the name of Jahāngīr Shāh May it give light to silver and gold.

R. 19 R. (Editor's Cabinet and B. M.).

<sup>1</sup> A tentative reading.

Struck coin in the city of Kābul through the blessings of God Nūru-d-dīn Jahāngīr son of Akbar Shāh.

R. 23 R. (Cabinet of Mr. R. B. Whitehead). Cf. Couplet No. 15 (Aḥmadābād).

Kashmīr.

The coin of Kashmīr became world-conquering

By the light of the name of Jahāngīr Shāh, Shāh Akbar['s son].

A. 15 R. Gemini (I.M. No. 696 and cf. King and Vost, Some Novelties, Num. Chron., 1896, pp. 164, 165).

Cf. Couplet No. 8 (Ajmer).

Lahor.

In the world so long as the heavens revolve, may current be In the name of Shāh Jahāngīr, the money of Lāhor.

R. 1017: 3 (1632)-1019: 5 (P.M. No. 1097).

The money of Lähor in the month Bahman became like the shining moon In the reign of Shāh Nūru-d-dīn Jahāngīr, son of Shāh Akbar.

R. 1019: 5 Bahman (1636).

In Isfandārmuz the coin at Lāhor struck in gold
The Emperor of nations, <u>Shāh</u> Jahāngīr, son of Akbar <u>Sh</u>āh.
R. 1019: 5 Isfandārmuz (sq.) (1637).

In Farwardin the money of Lähor became an object of envy to the shining moon, Through the light of the coin of Shāh Jahāngīr, son of Shāh Akbar.

AR. 1020: 6 Farwardin (P. M. No. 1102).

Month Ardībihisht: this coin struck in gold at Lāhor The Emperor of the world, Shāh Jahāngīr, son of Shāh Akbar.

A. 1020: 6 Ardībihisht (sq.) (1639).

In the month of Tir at Lähor struck this coin in gold The King, refuge of the faith, Shāh Jahāngīr, son of Shāh Akbar. R. 1020: 6 Tīr (sq.) (1640).

In the month Khūrdād struck in gold the coin of Lāhor Shāh Nūru-d-dīn Jahāngīr, son of Bādshāh Akbar.

R. 1020: 6 Khūrdād (Cabinet of Mr. H. Nelson Wright).

Cf. also Coins of the Mogul Emperors of India purchased by the Panjáb Government from Mr. C. J. Rodgers, Preface, p. x.

Ever may be on the face of the coin of Lāhor Light by the name of Shāh Jahāngīr, Shāh Akbar['s son]

N. 1028: 14 (P.M. No. 917)-1036: 22 (B.M. No. 310).

R. 11025: 11-1037: 22 (1706-1733).

(MANDŪ (MANDŪ) (MANDŪ) سکة مندو ز نام جهانگير شاة بنور جهاني دهد پرتو چو مهر و ماة

The stamp on the coin of Mandū gives through the name of Jahāngīr Shāh Lustre like the sun and moon to the Nūr Jahānī (i.e. the gold coin of one tola weight).

N. 1026: 12 (P.M. No. 918). Cf. N.S. XXXI, § 194.

Coin of victory in the south struck at Māndū by the lord of the sea and land, King of kings of the age, Shāh Jahāngī, son of Shāh Akbar.

R. 1026: 12 (Cabinet of Mr. R. B. Whitehead).

<sup>&</sup>lt;sup>1</sup> Except the years 1034: 19-1035: 20 when the Nar Jahānī coins were issued.

With the name of NÜR JAHAN General application.

ز حکم شاه جهانگیر یافت صد زیور

(52)

ر عم هاه جهای بادشاه بیگم زر بنام نور جهان بادشاه بیگم زر

By order of Shāh Jahāngīr gained a hundred beauties Gold by the name of Nūr Jahān Bādshāh Begam.

There are three variants of this couplet, No. 1, as above; No. 2, with بحكم and بنام No. 3 with بنام.

A. 1035: 21 (B.M.) and 1037 Alimadābād (P.M. No. 919); 1034: 20 Cancer Ajmer<sup>2</sup>; 1036 Sūrat (B.M. No. 513)<sup>1</sup>; 1035: 20 Sagittarius Lāhor<sup>2</sup> (Paris).

A. 1034:19-1037 Aḥmadābād³(1734); 1037: 22 Akbarnagar²(1739); 1034: 20, 1037: 22, Āgra²(1740); 1037: 22 Ilahābād (Editor's Cabinet)³(Mr. R. B. Whitehead's Cabinet)²; 1037: 22 Patna²(1743); 1033: 19-1036: 21 Sūrat¹(1747); 1034: 19-1035: 20 Lāhor²(1757).

For the gold zodiacal coins of Ajmer and Lahor, cf. Whitehead, Mint Towns, p. 433.

Lāhor.

From the name of Shāh Jahāngīr the face of the coin of Lāhor has become full of light,

It has been increased by (the addition of) the name of Nur Jahan.

A. 1035: 21 (Cabinet of the late Mr. F. J. Thanawala). For this couplet see N. S. V, § 34, p. 125.

By order of Shāh Jahāngīr the coin of Lāhor From the name of Nūr Jahān Bādshāh became full of light.

R. 1036: 21 R. Capricornus (Editor's Cabinet and Berlin Museum).

Note. In the Tüzuk-i Jahüngīrī we are told that Āṣaf Khān was ordered to make the following couple of baits on large gold coms, one on the obverse, and one on the reverse:

بخیط نور بر زرکلك تقدير Obverse رقم زد شاه نورالدين جهانگير

In letters of light on gold the pen of destiny Engraved the entry Shāh Nūru-d-dīn Jahāngīr.

By this coin the world became bright like the sun Aftāb-i-mamlakat is the date.

[ Sun of the Kingdom.] = افتاب مملكت

'Between the lines of the obverse inscription the Kalima was written, while between the lines of the reverse were to come the name of the mint and the year of julūs and the hijrī year. These gold coins were of 100, 50, 20, and 10 tolas. I have never seen and never heard of one being in existence. The words Āftāb-i-mamlakat give the date 1014 a. H., the date of Jahāngīr's first year,' Rodgers, J.A.S.B. vol. lvii, Part I, No. 1, 1888, pp. 19-20.

# SHAH JAHĀN

### Shāhjahānābād.

May the coin of Shāhjahānābād be current in the world. For ever in the name of the second Lord of the Conjunctions.

A. 1060: 24 (B.M.): 1068: 32 (B.M.). A. 1058: 22-1066: 30 r. (2231).

سکه بر مهر دو صد مهری زد از لطف اله (56) ثانی صاحب فزان شاه جهان دین پناه روی زر بادا ز نقش سکه اش عالم فروز تا شود از پرتو خورشید روشن روی ماه

On this two hundred muhr piece by the grace of God the impress was put Of Shāh Jahān, the second Lord of the Conjunction, the refuge of the Faith: By the engraving of his impress may the face of the coin give light to the world, As long as the face of the moon is illumined by the sun's reflection.

A. Shāhjahānābād 1064: 28 R.

For this ruba and coin, cf. B.M.C., Introduction, p. lxxxvii.

Note. On the coins of Surat of the 1st year appears the legend

May the coin of Shah Jahan be current.

# MURĀD BAKHSH

#### Sūrat.

Took the heritage of the 'Lord of the Conjunctions' Shāh Jahān Murād Bakhsh Muhammad Shāh, the second Sikandar.

R. 1038: and (B. M. No. 699).

#### AURANGZEB 'ALAMGĪR

Struck money through the world like the shining sun Shāh Aurangzeb 'Ālamgīr.

(58 a) For the silver coinage بدر (moon) was substituted for مهر (sun).

N. (2458). R. (2491).

These couplets came into use at different dates but they may be said to have come into general use for all mints after the 4th regnal year. The coins of Akbarābād are, however, an exception. The couplet  $(58 \, a)$  is sometimes found on gold coins, cf.  $P. \, M. \, C.$  No. 1486, probably owing to error.

The couplet (58), for gold, on the other hand, seems to have been regularly used for silver during the earlier years of the reign, for examples cf. Nos. 2756 (Bhīlsa), 2768 (Patna), 2849 (Jahāngīrnagar), 3009 (Shāhjahānābād), 3111 ('Alamgīrpūr'), 3138 (Kātak), 3215 (Lāhor'), 3343 (Multān). But examples of its use late in the reign are the result of an error on the part of the diestriker—No. 3135 (Kābul) may be one of these. On the coins of Akbarnagar the gold couplet is used on rupees up to the 41st regnal year.

Note. Henceforward unless otherwise stated, the couplets are used for all mints and during the whole reign.

# A'ZAM SHĀH

Struck coin in the world with might and majesty, Lord of the realms, A'zam Shāh.

A. (B. M. No. 847). A. (3432).

# KĀM BAKHSH

Struck coin in the Dakkan on the sun and moon The Emperor Kām Bakhsh, refuge of the faith.

A. (B. M. No. 852). A. (3434).

# SHĀH 'ĀLAM BAHĀDUR

Akbarābād.

Struck coin like the Ṣaḥib-i Qirān The second 'Ālamgīr, Bahādur Shāh.

N. 1119: ahd (P. M. No. 1996). R. 1119: ahd (P. M. No. 2015).

Struck auspicious coin in the seven climes on the sun and moon The second Shāh Jahān, Sultan Mu'azzam.

R. -: and (P. M. No. 2037).

Murshidabad (in the name of Mu'azzam).

Struck coin on gold like the Ṣāḥib-i Qirān Mu'azzam Shāh, the second 'Ālamgīr.

AR. ahd (P.M. No. 2091).

Multān.

Struck coin in the seven climes on the sun and moon Defender of the faith of Muḥammad Shāh 'Alam Bādshāh.

A. 1119: and (Cabinet of Mr. H. Nelson Wright). For this coin cf. Whitehead, Mint Towns, p. 437.

# 'AZĪMU-SH-SHĀN

Struck coin in the world with victory and success The emperor 'Azīm succourer of the faith.

R. 1124: and (B. M. No. 903).
For this coin see N. S. XVII, § 103, p. 124.

<sup>&</sup>lt;sup>1</sup> For this provisional reading of P. M. C. note to coin 2015, p. 276. Apparently there was a rupee of Itāwā with this or a similar couplet in the White King Collection, of Sale Catalogue, coin No. 3960.

# JAHĀNDĀR SHĀH

Struck coin in the horizons like the sun and moon The victorious Jahāndār Shāh, Defender of the Faith.

A. (3539). AR. (3545).

Struck coin on the moon (silver) like the Ṣāḥib-i Qirān Jahāndār Shāh, monarch of the world.

A variant has ;; for sa.

N. (3544). A. (3547).

Both the above couplets appear on the coins of most mints.

# FARRUKHSIYAR

Struck coin on silver and gold by grace of the Truth Monarch of the sea and land, Farrukhsiyar.

A. (3567). AR. (3580).

(68 a) ثالث صاحب قران (the third Lord of the Conjunctions) instead of بادشاء بحر و بر

R. 1125: and Tatta (Cabinet of Mr. F. J. Thanawala). For this coin cf. N. S. XIV. § 86, p. 579.

## RAFĪ'U-D-DARJĀT

Struck in India with thousands of blessings King of kings on sea and land, Rafi'u-d-darjāt.

N. (3736). R. (3739).

(69  $\alpha$ ) فاق instead of شاهنشه افاق.

N. Khujista Bunyād (B.M. cf. N. S. XIII, § 81).

A. Khujista Bunyād (P. M. No. 2280).

- 1 Sometimes instead of بر چون appears.
- 2 Sometimes instead of 3, appears.

. شاهنشه بحر و بر instead of شاهنشه دادگر (69 b)

A. Murshidābād (3751).

There is another variant of this couplet on a gold coin of  $Mu^{\epsilon}azzam\bar{a}b\bar{a}d$  (B. M. C. No. 937 a) which has not yet been elucidated.

# SHĀH JAHĀN II

Struck coin in the world with tranquillity and security The second 'Lord of the Conjunctions' Shāh Jahān.

A. Tatta (Cabinet of Mr. R. B. Whitehead). Peshāwar ( ,, ,, ).

The second line of this couplet could also read 'The "Lord of the Conjunctions" the second Shāh Jahān'.

## MUḤAMMAD IBRĀHĪM

Struck coin in the world through the grace of the Bountiful One King of kings, Muḥammad Ibrāhīm.

A. Shāhjahānābād (B. M. No. 954). A. (3764).

# MUḤAMMAD SHĀH

Struck coin in the world by the favour of God Muhammad Shāh, Emperor of the Age.

R. 6 R. A'zamnagar Gokāk (P. M. No. 2363 and cabinet of the late Mr. F. J. Thanawala). 1131-1132: and Sūrat (3956).

#### Bhakhar.

Struck coin of silver through the grace of God The Emperor of the World, Muhammad Shāh.

AR. 1152-1153: 21 R. (P. M. No. 2407 a).
 A conjectural reading.

# AHMAD SHAH BAHADUR

سکه زد بر زر بفضل اله (74) شاه عالم پناه احمد شاه

Struck coin on gold by the grace of God King Ahmad Shāh, refuge of the world.

A. 1162: 5 Kashmir (P. M. No. 2706).
--: ahd Imtiyazgarh (4236).

#### 'ĀLAMGĪR II

سکه بزر زد چون صاحب قرانی . (75) عزیز الدین عالم گیر ثانی . «۱۰ مناه مانا المام» می باده مانا المام» می باده المام» می باده مانا المام» می باده م

Struck coin on gold like the Sāḥib-i Qirān 'Azīzu-d-dīn, the second 'Alamgīr.

· A.

R. —: 5 R. Ujjain (4363). ahd Imtiyāzgarh (4374). — Aurangnagar (4376); 1167: ahd-1172: 6 Balwantnagar (4389); 1167: ahd-1171: 5 R. Banāras (4393); 1172: 6 Jodhpūr (4408); 1068: ahd Gwālīar (Editor's cabinet); —: 6 Nāgqr (P. M. No. 2839).

## Shāhjahānābād.

Struck coin in the seven climes like the shining sun and moon King 'Azīzu-d-dīn 'Alamgīr, defender of the Faith, Emperor.

N. 1170: 4-1173: 6 (4356). R. 1170: 4-1173: 6 (4421).

Coin of gold obtained glory like the shining sun From the name of the lord of the world, the emperor 'Ālamgīr.

A. 1170: 4 (B. M.). A. -: 41 (P. M. No. 2797).

# SHĀH 'ĀLAM II

Struck coin in the seven climes the shadow of the divine favour, The defender of the faith of Muḥammad, the emperor Shāh 'Ālam.

N. (4488). A. (4516).

1 See note on the coin in the P.M.C.

This couplet starts from the first year of the reign (4667), and in the case of the following mints runs all through the regnal years Arkāt, Balwantnagar, Banāras, Ravishnagar Sāgar, Sahāranpūr.

On coins of  $\underline{Sh}\bar{a}hjah\bar{a}n\bar{a}b\bar{a}d$  and Akbar $\bar{a}b\bar{a}d$  it is replaced by No. 76 in 1218: 46 R.

On coins of Barelī and Farrukhābād it is replaced by No. 76 in 1208: 31 R. in case of the former and 1204: 31 R. in case of the latter. The couplet occurs on all but a small number of mints, such as Itāwa, Jaipūr, Deogarh, Nāgor.

Struck coin like the Ṣāḥib-i Qirān by the help of God Defender of the faith of Muḥammad, the Emperor Shāh 'Ālam.

- N. Akbarābād, Shāhjahānābād (4495), Farrukhābād (4497).
- A. Akbarābād (4560), Orchha (4593), Barelī (4621), Shāhjahānābād (4967), Farrukhābād (5022), Muzaffargarh (5110).

Note. The series of Orchha coins begins in 1211 and of Muzaffargarh in 1209.

# BEDAR BAKHT

Struck coin on gold the heir of crown and throne Lord of the world, Muhammad Bedär Bakht.

N. (5300). A. (I.M. No. 2499, B. M. 1209).

#### AKBAR II

The following is given by the author of the Mulhtasir sir Gulshān-i-Hind as a couplet of Akbar II.

Struck coin in the world by the divine favour The defender of the faith Muhammad Akbar Shāh.

This couplet seems to appear on a coin, No. 3277, in the Lahore Museum, but the date 1203 makes it difficult to assign. Cf. note in P. M. C. p. 430.

# OF WORDS AND PHRASES USED THE COINS

Father of justice. ابو العدل

ابو الفتح Father of victory.

Father of the victorious one.

الله اكبر جل جلاله

ابو بكر الصديق عمر الفاروق عثمان Abū Bakr, the faithful witness; 'Umr, the discriminator between right and wrong;

'Usman, the father of two lights; 'Alī, the The names of the four pleasing to God. orthodox khalīfas and their epithets, used as

a formula on the coins of Bābur, Humāyūn and the early coins of Akbar.

The most great Sultan, the illustrious السلطان الاعظم لخاقان المكرم emperor.

> God is most great, glorified be his glory. The formula employed by Akbar on his Ilāhī coins; it also has the secondary meaning 'Akbar is God'.

Commander of the faithful.

Indian form of the Persian Suzerain king. . يادشاه

By the truth of Abū Bakr, and the justice بصدق ایی بکر و عدل عمر باز،م عثمان و علم علی of 'Umr; by the modesty of Usman and the wisdom of 'Alī. A variant of the formula cited above, and used on the coins of Shah Jahān, Murād Bakhsh and Shāh Shujā'. Akbar also uses this formula, but substitutes

اللاد Town (pl. الدة

The sumptuous town. Epithet of Burhanpur.

. بازرم by the modesty' for بحياى

الله بندر مبارك Blessed port. Epithet of Sūrat.

تيرته Shrine. Epithet of Hardwar.

حفرت Majesty. Epithet of Dehli.

حجسته بنياد Of fortunate foundation. Epithet of Aurangābād.

.District خطه

خطه متبارك Blessed district. Epithet of Jaunpur.

May God Most High perpetuate the kingdom and sovereignty.

دار الأمان The seat of safety. Epithet of Agra and Multan.

دار الجهاد The seat of the holy war. Epithet of Ḥaidarābād.

دا, اللافع The seat of the khalifate. The capital. Applied to Shāhjahānābād and many other places.

The seat of welfare. Epithet of Ajmer.

دار السرور The seat of delight. Epithet of Burhānpūr and Sahāranpūr.

دار السلام The seat of peace. Epithet of Dogaon.

دا, السلطنة The seat of sovereignty. Epithet of Lahor, &c.

السطيع The seat of the mint. Epithet of Kalpī, &c.

دا, الظفر The seat of victory. Epithet of Bijapūr.

دار العدل The seat of justice. Epithet of Agra.

دار الفتير The seat of conquest. Epithet of Ujjain.

ا الفلوس The seat of the fulus. Epithet of Muhammadabad.

دار الملك The seat of the kingdom. The capital. Epithet of Dehlī and Kābul.

دار المنصور The seat of the victorious one. Epithet of Jodh-

ينت البلا، The beauty of towns. Epithet of Aḥmadābād.

Government.

Auspicious coin.

The year of the accession associated with prosperity.

Lit. =  $1\frac{1}{4}$ , so 'better than most'. Epithet of Jaipūr.

Lord of Sultans.

'Lord of the (fortunate) planetary conjunctions', صاحب قران i. e. of the conjunction of Venus and Jupiter. assumed by Taimūr. Shāh Jahān called himself 'the second lord of the conjunctions' صاحب قران ثاني on his coins. The title Ṣāḥib-i Qirān in its alternative forms Ṣāḥib-i Qirān, Ṣāḥib-i Qirān Ṣānī, Ṣānī Ṣāḥib-i Qirān and Ṣāḥib-i Qirānī is found on the coins of Shah Jahan, Shah Shuja', Murad Bakhsh, Shāh 'Ālam Bahādur, Jahāndār Shāh, Shāh Jahān II. Muhammad Shāh, 'Ālamgīr II, Shāh 'Ālam II, Akbar II. On a Tatta rupee of the 1st year the ثالث صاحب قران Farrukhsiyar calls himself third lord of the conjunctions'. For this formula cf. P.M.C. Appendix C, pp. 436, 437, and

> § 86. Province.

.Struck ضرب

خازى Fighter of infidels, cp. 'defender of the faith'.

Dr. Taylor's paper in J.A.S.B. Num. Suppl. XIV,

Of fortunate foundation. Epithet of Ḥaidarābād.

Town. قصبه

District.

.Fort قلع

The abode of the khalifate. Epithet of Akbarābād and Ajmer.

The abode of the kingdom. The capital. Epithet of Akbarābād and 'Azīmābād.

Defender of the world and of the faith.

# LIST OF DENOMINATIONAL AND OTHER SPECIAL TERMS USED IN CONNEXION WITH MUGHAL NUMISMATICS

Aban, see Months.

Amardād, see Months.

Ardībihisht, see Months.

Azar, see Months.

Bāhman, see Months.

Bait = couplet. Persian couplets are employed by nearly all the Mughal emperors on their coins. Cf. List of Persian Couplets.

- Dām. A large thick copper coin first employed by Sher Shāh Sūr, and continued by Akbar, Jahāngīr, and in some instances by later emperors, cf. N.S. XXVIII, § 175, esp. Note on p. 65. The Ā'īn-i Akbarī gives the weight of the dām as 1 tolah 8 māshas 7 ratīs, and this, taking the māsha = 15.5 grains, gives the standard weight as 323.5 grains. The same work gives the ratio of 40 dams = 1 rupee. Mr. S. H. Hodivālā in the article quoted above has shown that during the early years of Aurangzeb's reign, owing to a rise in the price of copper, the weight of the dām was reduced to 14 māshas = 217 grains in certain mints, but this reduction was not uniformally observed. The name 'dām' occurs only once on a Mughal coin, Akbar's nīm dām of Srīnagar. Cf. P. M. C., No. 706.
- **Damrā.** Occurs only on certain mintless copper coins of Akbar of the regnal year  $33 = \frac{1}{4} d\bar{a}m$ : so it is equal to the 'Paulah' of Abu-l-Fazl.
- $Damr\bar{i} = \frac{1}{8}th d\bar{a}m$ . So given by Abu-l-Fazl, and the name occurs on mintless coins of that value of the 33rd year.
- ${f Darb}={f half}$  a jalāla (q.v.). The term occurs on some Sītpūr Ilāhī rupees of Akbar; its meaning there is obscure.

Dī. See Months.

- Dīnār. (Derived from denarius aureus.) The general term for the gold coins of Arabian and Muhammadan Asiatic currencies: weight 67 grains. The term 'dīnār-i jalālī' occurs on a gold coin of Āgra of Akbar's 50th year. Cf. Couplet No. 2 in List of Couplets.
- Dirham. (From Greek drachma.) The thin silver pieces of the Arabian and Central Asian Muhammadan dynasties: this standard was employed by Bābur, Humāyūn, and very rarely by Akbar in his earliest years. Weight of dirham 47 grains.
- Dirham Shar'ī. In the light of Mr. S. H. Hodivālā's article in the N. S. XXVIII, § 171, p. 45, Mr. Whitehead's explanation of this coin in P. M. C. Appendix C, p. 437, must, I think, now be rejected. Mr. Hodivālā

has shown fairly conclusively that these coins were issued by Aurangzeb and Farrukhsiyar for use in payment of the Jizyā or Poll Tax. Weight about 44 grains.

These coins are usually square, bearing the name con one side and the name of the mint on the other. One is known of Farrukhsiyar's reign (P. M. C., No. 2271). The following mints are known to have struck these coins—Agra, Ilahābād, Patna, Shāhjahānābād, Katak, Lāhor, Multān.

Farwardin. See Months.

Fulūs = 'copper money', plural of Arabic 'fals': occurs often in the combination منكر فلوس on the copper coins of most emperors. After the reign of Jahāngīr there is great variation in the weight of copper coins, probably in accordance with local conditions and demand.

Hijri. The Muhammadan era, dating from the migration of the Prophet from Mecca in A. D. 622. This era is used on the majority of Mughal coins.

Ilāhī = The Divine, an era invented by Akbar, and starting from 27th Rabī'u-ṣ-ṣānī in the first year of his reign. It was regularly employed on his coins after the 36th year, and coins are known dated 30 R. It was computed according to solar reckoning, and along with it were used the names of the old Persian months. Jahāngīr, Shāh Jahān, and Murād Bakhsh also sometimes employ the Ilāhī era for their regnal years, often along with the hijrī date; cf. I. M. C., Appendix D, p. 355, and N. S. XVI, § 100, p. 705.

Imām. The four Imāms were the four orthodox khalīfas, Abū Bakr, 'Umr, 'Usmān, and 'Alī. Their names with their epithets occur on the obverse of coins of Bābur, Humāyūn, Akbar, Shāh Jahān I, Murād Bakhsh, Shāh Shujā', and on one of 'Ālamgīr II.

Jalala. The Ilahi square rupee of Akbar, so called from the formula inscribed upon it.

Kalima. The Muhammadan profession of faith:

'There is no god but God: Muhammad is the prophet of God.'

The Kalima is used on the coins of Bābur, Humāyūn, Shāh Jahān I, Murād Bakhsh, Shāh Shujā', and on some of Akbar, Jahāngīr, and 'Alamgīr II.

<u>Khair qabūl.</u> Lit. = 'may these alms be accepted.' A small silver coin minted only by Jahāngīr, generally mintless, but one or two pieces of Lāhor mint are known, and one of Aḥmadābād. It is mentioned in the *Tūzuk-i Jahāngīrī* (Rogers and Beveridge Trans., vol. I, p. 11) among the silver coins.

Khalīfa. See Imām.

Khūrdād. See Months.

Laqab. A 'surname' or 'title', such as those adopted by the Mughal emperors, i.e. Jalālu-d-dīn = 'Glory of the faith', by Akbar.

Mihr. See Months.

Months. For his Ilāhī era Akbar employed the names of the months used by the old Persians in their solar year, i.e.

 1. Farwardīn
 5. Amardād
 9. Āzar

 2. Ardībihisht
 6. Shahrewar
 10. Dī

 3. Khūrdād
 7. Mihr
 11. Bahman

 4 Tīr
 8. Ābān
 12. Isfandārmuz

These names appear on the coins of Akbar, Jahāngīr, Murād Bakhsh, and some of Shāh Jahān I.

Muhr or Ashrafi. The ordinary term for the gold coin introduced by Akbar, and weighing ordinarily 170 grains. Some of Akbar's square issues rise to 187 grains, and Jahangir's muhrs during the first five years of his reign vary between 202-211 grains. All other emperors conform to the 170-grain standard. The word occurs in many of the couplets. Cf. List of Couplets.

Nīm rā'ij = half a rā'ij, q.v.

Niṣār. Small coins in gold and silver (one or two broad thin pieces of Shāh Jahān I of the mints Shāhjahānābād and Akbarābād are known) used as largesse money. Jahāngīr in the Tūzuk-i Jahūngīrī gives the niṣār as being equal to a quarter of a rupee, and the commonest specimens are of that value, but others are half the value of a rupee (the broad thin pieces), and others only one-eighth. They are known of the emperors Jahāngīr, Shāh Jahān I, Aurangzeb, Jahāndār, and Farrukhsiyar; and from the following mints: Itāwa, Ajmer, Aḥmadābād, Aḥmadnagar, Urdū Zafar Qarīn, Akbarābād, Akbarnagar, Āgra, Burhānpūr, Patna, Chīnāpattan, Daulatābād, Shāhjahānābād, Kābul, Kashmīr, Lāhor.

Nisfī. Persian = 'half' =  $\frac{1}{2}$  dām occurs on a rare mintless copper coin of -Akbar.

Núr Afshān = 'light scattering': the name is probably derived from Jahāngīr's laqab Nūru-d-dīn. They are small silver pieces equal to  $\frac{1}{20}$ th rupee in value, and are known from the Ajmer, Agra, and Lāhor mints. They were apparently used as largesse money.

Nūr Jahānī = 'light of the world'. Jahāngīr's name for a gold coin one tolā in weight: occurs on a coin of Mandū. See List of Couplets, No. 50.

Rā'ij (رائج) = current. Occurs on copper coins of Jahāngīr equal to a quarter of a dām—nīm rāīj occurs on his copper coins of half the weight of a rāīj.

Rawānī = 'current'. Occurs on copper coins of Jahāngīr equal in weight to a dām (323-5 grains).

Rupee or Rupiya. The general term for the silver coin of 180 grains instituted by Sher Shāh, and continued by all Mughal emperors. Jahāngīr, however, during the first few years of his reign issued heavy rupees of 220 grains, but soon returned to the original standard. Shāh 'Alam Bahādur also in the first year of his reign issued an order that the ashrafī and the rupee should be made equal in weight to a tolā, and there are a few rupees in the British Museum of Patna mint weighing 184 and 185 grains. This experiment was also unsuccessful and soon

relinquished; cf. N. S. XXVIII, § 176, p. 67. The word occurs on the coinage only once, on a coin of Akbar of Agra mint 47 R. Khūrdād in the Bodleian collection (Cat., No. 683); cf. P. M. C., pl. xxi, iv.

Shahrewar. See Months.

- Sikka = 'stamp' in the formula سکه مبارك occurs on a large number of silver and gold coins from the reign of Shāh 'Alam Bahādur. For the combination sikka fulūs, see Fulūs.
- Tankā. A denomination employed by Akbar in his Ilahī copper coinage after the 40th year. The coinage consisted of the full tankā with its half, quarter, eighth, and sixteenth parts. The full tankā was double the weight of the dām, i.e. about 640 grains. Cf. N. S. XXVIII, § 181, 'The Murādī Tankā', by S. H. Hodivālā.
- Tankī. At the end of Akbar's reign pieces of four, two, and one tānki or tankī were issued from the Aḥmadābād, Āgra, Kābul, and Lāhor mints. Mr. S. H. Hodivālā in N. S. XXVII, § 169, has shown that the tānkī was equal to  $\frac{1}{5}$ th of a dām or  $\frac{1}{10}$ th of a tankī, weight about 64 grains.

Tir. See Months.

## DETAILED LIST OF MINTS REPRESENTED

ITAWA	${f ITar{A}War{A}}^{1}$		
اتاوه	اتاوا		
Lat. 26° 47′	Long. 79	3′	
	G.	s.	C.
Aurangzeb	_	77	
Shāh 'Ālaṃ Bahādur		12	
Jahāndār	1	4	
Farru <u>kh</u> siyar	_	16	
Rafī'u-d-darjāt		1	
Shāh Jahān II		2	
Muḥammad Shāh	3	. 39	_
Ahmad Shāh Bahādur	_	2	
Shāh 'Ālam II		15	

The form اتاوه appears until 1109-42 R. of Aurangzeb's reign; after which اتاوا occurs regularly, though occasional coins (e.g. No. 4224) present the former spelling.

#### ATAK

اذگ

Banāras.

Lat. 33° 53′	Long. 72° 16′		
	G.	S.	C.
Akbar			3

The form Atak Banāras occurs on Akbar's dāms.

<sup>1</sup> Note.—In the first line is given the name of the Mint, or variant forms of the name occurring on coins: in the second line the Persian form of the above; in the third line are given the different epithets attached to the mint name on coins.

#### AJMER

## أجمير

Salīmābād, Dāru-l-khair, Mustaqirru-l-khilāfat.

Lat. 26° 27'	Long. 74°	43'	
	G.	S.	C.
Akbar	_	-	18
Jahāngīr		3	
<u>Sh</u> āh Jahān		1	
Aurangzeb		23	
Farru <u>kh</u> siyar		<b>2</b>	_
Muḥammad <u>Sh</u> āh		4	
Aḥmad Shāh Bahādur		3	
Shāh 'Ālam II		2	1

On certain of Akbar's dams of 892 A.H. Ajmer has the epithet Salīmābād (cf. Nos. 791-793).

On the coins of Aurangzeb and all succeeding emperors appears the epithet  $D\bar{a}ru$ -l- $\underline{k}\underline{h}air$ , except on some coins of  $\underline{S}\underline{h}$ āh ' $\bar{A}$ lam Bahādur and Farru $\underline{k}\underline{h}$ siyar, when the epithet Mustagirru-l- $khil\bar{a}fat$  occurs.

UJJAIN	ŨJA:	IN	UJJAIN	PŪR	
اجين	جين	او.	يندور	اجّ	
	Baldat	Dāru-l-			
Lat	. 23° 10′	Long.	75° 47′		
		G.	S.	C.	
$\mathbf{A}\mathbf{k}\mathbf{b}\mathbf{a}\mathbf{r}$			14	(1	
				J1 (U	Jjjainpūr)
Jahāngīr			1		
<u>Sh</u> āh Jahān		_	7	1	
Aurangzeb			5		
Aʻzam <u>Sh</u> ah			1		
Farru <u>kh</u> siyar			1		
Rafī'u-d-darj	āt		1		
Muḥammad S	hāh		3		
' $ ilde{ ilde{A}}$ lamg $ ilde{ ilde{ ilde{I}}}$ r $ ilde{ ilde{I}}$ I		_	1	_	
Shāh 'Ālam I	I		2		

The form Ujain occurs on some of the Ilāhī rupees of Akbar, on the unique rupee of Jahāngīr No. 1341, on some of the early rupees of Shāh Jahān, on some rupees of Aurangzeb (without epithet), on A'zam Shāh's rupees (with epithet), and on the copper coins of Shāh Jahān and Aurangzeb.

Buldat occurs as epithet on some of Shāh Jahān's earliest coins.

Dāru-l-fath occurs for the first time in Aurangzeb's reign, and with the exception noted above continues throughout the reigns of all succeeding emperors on gold and silver.

The form Ujjainpūr occurs on certain small square local copper coins of Akbar (cf. No. 804). Mr. Hodivālā has recently shown that Akbar's dāms hitherto attributed to Khairpūr are really coins of Ujjainpūr.

## AḤSANĀBĀD. See GULBARGA

## AHMADĀBĀD

## احمدابان

Dāru-l-khilāfat, Dāru-s-saltanat, Zīnatu-l-bilād.

Lat. 23° 1′	Long. 72	38′°	
	G.	$S_{r}$ .	C.
Akbar	5	153	24
Jahāngīr	-	74	3
Jahāngīr and Nūr Jahān		5	
Shāh Jahān	5	34	2
Murād Ba <u>khsh</u>		3	
Aurangzeb		18	
A'zam <u>Sh</u> āh		1	
Shāh 'Alam Bahādur		· 1	
Jahāndār	<u></u>	1	
Farru <u>kh</u> siyar		4	
Muḥammad Shāh		6	
Shāh Jahān III	-	2	
Shāh 'Alam II	*	1	1
Bedär Ba <u>kh</u> t	. 1		

The epithet  $D\bar{a}ru$ -l- $khil\bar{a}fat$  occurs in some silver and gold coins of the year 980 A.H. From 981 till 1000 A.H.  $D\bar{a}ru$ -s-saltanat appears on all three metals, and also on rupees of 37 and 38 R.  $Z\bar{\imath}natu$ - $bil\bar{a}d$  occurs on the coins of Rafi u-d-darjāt.

Certain rupees of 981 A.H. (cf. No. 767) with the legend  $D\bar{a}rv_s$ -saltanat Shahr-i Mu'azzam are probably from this mint. Cf. P. M. C., p. xxxiv. For the coins of Ahmadābād, see Dr. Taylor's paper in the Journal of the Bombay Branch of the Royal Asiatic Society, vol. XX, and 'Akbar's Copper Coins of Ahmadābād', N.S. IV.

AḤMADNAGAR	AḤMADÄNAGAR		
احمدنگر	احمدانكر		
Lat. 23° 38′	Long. 72° 54′		
	G.	s.	C.
Akbar		2	
Jahāngīr	_	6	
<u>Sh</u> āh Jahān		2	
Aurangzeb		4	
Shāh 'Alam Bahādur	. —	2	
Farru <u>kh</u> siyar	<del></del> .	1	

The form احمدانكر occurs on a muhr and a few rupees of Jahangir (cf. No. 1279).

#### URDŪ DAR RĀH-I-DAKKAN

For the suggested location of this camp at Ramsar, cf. Journal of the United Provinces Historical Society, vol. I, part 1, 'Some remarks on Mughal Currency,' p. 157.

URDŪ ZAFAR QARĪN	URDŪ E	ZAFAF	QARĪN
اردو ظفر قرین	رين	ے ظفر ق	اردو
-	· G.	s.	C.
${f A}$ kbar	1	9	19

The form اردوے ظفر قریب appears on some dateless and on all the Hāhī dāms of Akbar.

## ARKĀT (ARCOT) اركات Long. 79° 24' Lat. 12° 55′ Farrukhsiyar Muḥammad Shāh Ahmad Shāh Bahādur 'Ālamgīr II Shāh 'Alam II

The coins of the last three emperors are issues either of the East India Company or of the French Compagnie des Indes.

1.3

#### ISLĀMĀBĀD

اسلامابان

Lat. 22° 21′ Long. 91° 52′

G. S. C

Aurangzeb — 1 —

Farrukhsiyar — 2 —

Muḥammad Shāh — 6 —

Aḥmad Shāh Bahādur 1 — —

'Ālamgīr II 1 — —

Shāh 'Ālam II — 3 1

## ĀṢAFĀBĀD BARELI. See BARELĪ

## **ĀSAFNAGAR**

اصفنگر

(Locality doubtful)

 $\frac{G.}{Sh}$ āh 'Alam II - 1 -

## A'ZAMNAGAR GOKĀK. See GOKĀK

## AKBARĀBĀD. See ĀGRA

## AKBARPŪR

اكبرډور

(Locality doubtful)

G. S. C. — 2

Akbar

#### AKBARPÚR TĀNDA

اكبرپور تانده

Dāru-l-<u>kh</u>ilāfat

Lat. 26° 25′ Long. 82° 34′

G. S. C.
Akbar - 3 4

 $D\bar{a}ru$ -l- $\underline{k}\underline{h}il\bar{u}fat$  occurs only on the copper pieces.

## AKBARNAGAR (RĀJMAḤAL)

اكبرنگر

	<i>,</i> .		
Lat. 25° 2'	Long. 82°	34'	
	G.	S.	C.
Akbar		1	
Jahāngīr		30	
Jahāngīr and Nūr Jahān		1	
<u>Sh</u> āh Jahān		49	
<u>Sh</u> āh <u>Sh</u> ujā'		2	
Aurangzeb		48	-
<u>Sh</u> āh 'Alam Bahādur		3	
Jahāndār		1	
Farru <u>kh</u> siyar		2	
Muḥammad <u>Sh</u> āh	-	3	

For the attribution of Shāh Shujā"s coin to this mint, see N.S. XX, § 116.

$ar{ ext{AGR}}$	A	AKBA	$\overline{ ext{RABAD}}$
اگره .		ابان	اكبرا
Dāru-l-khilāfat, Dāru-z	-zarb Qil'a,	Dāru-l- <u>kh</u> ilāfat,	Mustaqirru-l- <u>kh</u> ilāfat,
Dāru-l-ʿadl, Dāru-l-āmē	ān, Baldat.	Must a	qirru-l-mulk.
	Lat. 27° 10′	Long. 78° 5'	
	G.	s.	C.
Bābur	_		1
Humāyūn		5	14
$\mathbf{A}\mathbf{k}\mathbf{b}\mathbf{a}\mathbf{r}$	13	3 <b>4</b>	17
Jah <b>ā</b> ngīr	11	38	16
Jahāngīr and Nur Jah	iāii —	3	Name and the second
<u>Sh</u> āh Jahān	1 (Agra)	11 (Agra)	
	7. (Akbar	ā <b>bād) 43 (</b> Akba	rābād) 3 (Akbarābād)
${f A}$ urangzeb	1	58	-
Shāh 'Alam Bahādur	1	7	
Jahāndār	1	3 .	-
Farru <u>kh</u> siyar	<b>2</b>	14	

	(ŧ.	s.	· C.
Rafīʻu-d-darjāt	1	2	-
Shāh Jahān II	<u>.</u>	2	1
Muḥammad <u>Sh</u> āh	3	32	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Alimad Shāh Bahādur		4	
'Alamgīr II	1	5	_
Shāh Jahān III		1	_
Shāh 'Ālam II	1	27	1

Āgra. Dāru-l-khilāfat occurs on copper coins of Bābur of 935–936 A.H., on copper coins of Humāyūn 937–941 A.H., on Akbar's gold and silver 976–985 A.H., on Shāh Jahān's gold and silver of the first regnal year, and on Akbar's copper from 965–989 A.H.

Dāru-z-zarb Qil'a appears in Bābur's copper of 936-937 A.H.

 $D\bar{a}ru$ -l-adl occurs on Humāyūn's copper of 943, and  $D\bar{a}ru$ -l- $\bar{a}m\bar{a}n$  on his copper of 942-943 A. H.

Baldat occurs on Akbar's mihrabi muhr of 981.

In 1038 A. H. Akbarābād is substituted for  $\bar{\text{A}}$ gra, and the epithet  $D\bar{a}ru$ -l- $\underline{k}hil\bar{a}fat$  was retained for a year, and then reappears on a few mohars and rupees of 1068 A. H.

Mustaqirru-l-khilāfat was adopted by Aurangzeb in his 29th year and continues till the end of the Mughal series, except for a short interval from the latter part of the first regnal year of Shāh 'Ālam Bahādur till the fifth year of Farrukhsiyar, when Mustaqirru-l-mulk was substituted.

	AL	WAR	,	
	ر .	الو		
	·Lat. 27° 34′	Long. 76° 3	8′	
	•	G.	S.	C.
Akbar		•		3

_	LLAHABAD	II.AH.	ARAS	
	الدابان	باس	العا	
	$B\epsilon$	aldat .		
	Lat. 25° 26′	Long. 81°	50'	
		G.	$\mathbf{s}$	C.
$\mathbf{A}\mathbf{k}$ bar			13	2 (Ilahābās)
Jahāngīr			. 2	
<u>Sh</u> āh Jah	ān		8	

	G.	S.	C.
Aurangzeb .	1	4	
Shāh 'Ālam Bahādur	-	2	
Farru <u>kh</u> siyar	-	1	*
Muḥammad <u>Sh</u> āh		25	
Aḥmad <u>Sh</u> āh Bahādur		3	
'Ālamgīr II		<b>2</b>	
Shāh 'Alam II		10	

The form Ilahābās appears only on Akbar's copper dāms. Baldat occurs on rupees of Aurangzeb of 1071: 4 R. (cf. No. 2716).

## IMTIYĀZGARH (Adonī)

The late Mr. F. J. Thanawala possessed a unique half-rupee of Aurangzeb of Adonī (دوني), of which Imtiyāzgarh is the Mughal name.

## ĀNWALA (Aonla)

#### AWADH

 $A\underline{kh}$ tarnagar KhitaLat. 26° 48′ Long. 82° 14' G. C. 5 (Khita) Muḥammad Shāh 1 (Akhtarnagar) 3 Akhtarnagar Shāh 'Ālam II 27 (Ṣūba)

 $S\bar{u}ba$  of  $Sh\bar{a}h$  'Alam's coins probably refers to the province of The other two epithets probably refer to Ayodhyā. Awadh.

Akbar

#### ORCHHA

## اونرچهة

Lat. 25° 21′ Long. 78° 38′

#### AURANGĀBĀD KHUJISTA BUNYĀD اونگاباں خجسته بنيان Lat. 19° 54′ Long. 75° 22' G.. S. C. 2 (Aurangābād) 7 (Aurangābād) Aurangzeb 1 (Khujista Bunyād) 3 (Khujista Bunyād) Shāh 'Ālam Bahādur Jahandar 1 Farrukhsiyar Muhammad Shāh

From 1100 A.H. the form Khujista Bunyād 'of auspicious foundation' takes the place of Aurangābād, though the earlier form is found on a muhr (No. 3772 a) of Muḥammad Shāh.

1 (Aurangābād)

## AURANGNAGAR

اورگگانگر G. S. C 'Ālamgīr II — 1

#### ELICHPŪR

## ا**يلچې**ور

Lat. 21° 10′	Long. 770	30.	
<b>.</b>	G.	S.	C.
Akbar		2	
Jahāngīr		4	-
Aurangzeb			3
Shāh 'Ālam Bahādur	-		1
Jahāndār		1_	
Muḥammad <u>Sh</u> āh	• (-	1	

#### BĀLĀPŪR

بالايور

Lat. 20° 40′ Long. 76° 50′

G. S. C.
Akbar 1 —

## BĀLĀNAGAR GADHĀ

بالانكر كنها

Lat. 23° 10′ Long. 79° 56′

G. S. C. Shāh 'Alam II — 2 —

## BARĀR 1

برار

G. S. C.
Akbar — 18 —
Jahāngīr — 1 —

## BRAJINDRAPŪR. See MAHINDRAPŪR

## BURHĀNPŪR

برهانيور برهانيور

Baldat, Baldat Fākhira, Dāru-s-sarū-, Dāru-s-salṭanat

Lat. 21 18	Long. 75	10	
•	G.	s.	C.
Akbar		25	
Jahāngīr	4	29	
<u>Sh</u> āh Jahān	2	$\cdot 22$	
Aurangzeb	<b>2</b>	18	
<u>Sh</u> āh 'Ālam Bahādur		5	
Jahāndār		1	
Farru <u>kh</u> siyar		5	
Muḥammad <u>Sh</u> āh		6 -	
<u>Sh</u> āh 'Ālam II	1	3	_
<b>%</b> 5			

<sup>&</sup>lt;sup>1</sup> For this mint see note on coin No. 324.

Baldat occurs on the silver niṣārs of Shāh Jahān: it may also occur on Nos. 360, 361, Ilāhī rupees of Akbar. See note to No. 360.

Baldat  $F\bar{a}\underline{kh}ira$ , 'the sumptuous town', occurs on the first silver issue of Aurangzeb, cf. P.M.C., No. 1617.

Dāru-s-sarūr occurs first on the coins of Shāh 'Ālam Bahādur, silver and gold, and continues to the end of the series.

Dāru-s-saltanat occurs on a muhr of Jahāndār, cf. N.S. VI, p. 264.

#### BARELĪ بریلے ، Qit'a $\bar{A}$ şafābādLat. 28° 22' Long. 79° 26' S. Aurangzeb 21 Shāh 'Ālam Bahādur 6 Jahāndār 1 Farrukhsiyar 17 Shāh Jahān II Muhammad Shāh 18 Ahmad Shāh Bahādur 13 'Alamgīr II 12 1 Shāh 'Ālam II ' 14 3 36 (Qit'a)

 $Qit^a$  occurs on rupees from 1205–1211 and 1211–1220 A.H.  $\bar{A}saf\bar{a}b\bar{a}d$  during the years 1209–1211 A.H.

BISA	ULĪ		
ولبي	بسر		
Lat. 28° 18′		57'	
	G.	s.	C.
Shāh 'Ālam II		3	
BALWANTN	AGAR (J	hānsī)	
<sub>ت</sub> نگر	بلوند		
Lat. 25° 25′	Long. 78°	38′	
	G.	S.	C.

Lat. 25° 25'	Long. 78° 38		
•	G.	S.	C.
Aḥmad <u>Sh</u> āh Bahādur		3	-
'Alamgīr II	_	4	9 to
<u>Sh</u> āh 'Ālam II		8	-

#### BANĀRAS

بنارس

#### Muhammadābād

Lat. 25° 18′	Long. 83° 3′		
	G.	S.	C.
Muḥammad <u>Sh</u> āh	_	15	
Ahmad <u>Sh</u> āh Bahādur	1	22	
'Alamgīr II	3	16	
Shāh 'Ālam II	2	201	3

## BINDRABAN MŪMINĀBĀD

بندربن

مومنابان

 $M\bar{u}min\bar{a}b\bar{a}d$ 

Lat. 27° 23′ Long. 77° 44′ G. S.

Shāh 'Ālam II —

. C 2 /Mūmināhād —

2 (Mūminābād 4 (Mūminābād) Bindraban)

Rupees always exhibit the double name: copper coins exist with the name Bindraban and the name Mūminābād, as well as with the double name.

## BANGĀLA (Gaur)

بنكاله

Lat. 24° 54′ Long. 88° 8′ G. S.

 $\mathbf{A}$ kbar

## BAHĀDURGARH¹ (Pedgāon)

بهان ركوه

Lat. 18° 37′ Long. 74° 42′

G. S.

C.

Farrukhsiyar

\_\_\_\_

1 ?

See N.S. XXVIII, § 178, Bahādurgarh, by S. H. Hodivālā.

#### BAHRAICH

بهرايي

Dāru-l-khilāfat

	Lat. 27° 34′	Long. 81°	36 <b>′</b>	
		G.	s.	С.
$\mathbf{A}\mathbf{k}\mathbf{b}\mathbf{a}\mathbf{r}$		<del></del>		11

BĤAKKAR	BAKK	CAR	BHA	KH.	AR
بهكر	بكر .		كهو	ڊہا	
Lat. 3	1° 37′	Long. 7	1° 5′		
		G.	S.		C.
Akbar		-	2	4	
<u>Sh</u> āh Jahān			21		_
Aurangzeb			3		

Bhakkar (جهکر) appears on Akbar's rupees (cf. Nos. 365 a, 365 b), on Shāh Jahān's rupees 1043 a. H. to the end of the reign, and on the earlier rupees of Aurangzeb.

Bakkar (کر) occurs on Shāh Jahān's rupees up to 1043 A.H. Some time between 1083–1091 A.H. the form بهکهر is substituted, and maintained till the end of the series.

#### BHOPĀL

بهودال

Lat. 23° 16′ Long. 75° 25′

Shāh 'Ālam II

G. S. C

#### BHĪLSA

بهيلسه

I	at. 23° 31′	Long. 7	Long. 77° 50′	
		G.	S.	Ç.
<u>Sh</u> āh Jahān			12	, —
Aurangzeb ·			. 1	

#### BĪJĀPŪR

بيجايور

Dāru-z-zafar

Lat. 16° 49' Long. 75° 46'

G. S. C. Aurangzeb 3 14 —

From 23 R.-30 R. of Aurangzeb's reign the mint name appears without epithet. Thenceforward  $D\bar{a}ru$ -z-zafar always appears.

#### BAIRĀTA

بيراته

Lat. 27° 42	Long. 7	6° 23′	•
	G.	s. ·	C.
Akbar			14
Jahāngīr	<del>-</del> .		10
<u>Sh</u> āh Jahān			8
Aurangzeb			2

## BĪKĀNER

بیکانیر

Baldat

Lat. 28° Long. 73° 18′ G. S.

'Ālamgīr II '— 1 —

## PĀNĪPAT

بانىيت

Qaşba.

Lat. 29° 23′ Long. 77° 2′

PATNA

#### PATTAN

يتن

#### Shahr Anahrwāla

	Lat. 23° 51′	Long. 72° 10′			
		G.	s.	C.	
$\mathbf{A}\mathrm{kbar}$			2		
	San mata ta	Coin No 21	10		

See note to Coin No. 319.

## PATTAN DEO (Somnath)

بتن ديو Lat. 20° 53′ Long. 70° 26′ G. S. C. Shāh Jahān — 1 —

'AZĪMĀBĀD

پتنھ		عظيماباد	
$Dar{a}ru$ -z-z $arb$		Mustaqirru-l- $mulk$	
Lat. 25°	37′	Long. 85° 12′	
	G.	s.	C.
Akbar	1	15	
Jahāngīr		69	
Jahāngīr and Nūr Jahān		4	
<u>Sh</u> āh Jahān		58	
Aurangzeb		(41 (Patna) 4 ('Azīmābād	
<u>Sh</u> āh 'Ālam Bahādur		11	
Farru <u>kh</u> siyar	-	11 .	
Rafī'u-d-darjāt		2 (Patna)	
<u>Sh</u> āh Jahān II		1 ('Azīmābād)	
Muḥammad <u>Sh</u> āh		18	
Aḥmad <u>Sh</u> āh Bahādur	-	8	
'Ālamgīr II	1	7	
Shāh 'Ālam II		7	_

From the 50th year of Aurangzeb all rupees and muhrs, with the exception of those of Rafī'u-d-darjāt, bear the name 'Azīmābād.  $D\bar{a}ru$ -z-zarb occurs only on the earliest gold and silver coins of Akbar, 983 A. H.

Mustaqirru-l-mulk occurs only on Farrukhsiyar's coins from the third year to the end of the reign.

## PURBANDAR

<u>پر**ب**نں</u>ر

Lat. 21° 37′ Long. 69° 48′

G. S. C. Farru<u>kh</u>siyar — 1 ?

Mr. S. H. Hodivālā in N. S. XXXI,  $\S$  196, x, has suggested Parendā as a reading for this mint.

## PŪNA

بونه

 $Muh\bar{\imath}\bar{a}b\bar{a}d$ 

Lat. 18° 31′ Long. 73° 51′
G. S. C
Shāh 'Ālam II — 2 —

See N. S. XXXI, § 196, ix, by S. H. Hodivālā.

## PESHĀWAR

<u>پیشاور</u> ت

Lat. 34° Long. 71° 38′

	G.	S.	C.
<u>Sh</u> āh 'Ālam Bahādur		1	
Muḥammad <u>Sh</u> āh		1	
Ahmad Shāh Bahādur			2

#### TATTA

تتع

Long. 6	8°	
G.	S.	C.
	75	
	68	
	55	
	32	
	2	
		1
	•	<ul> <li>75</li> <li>68</li> <li>55</li> <li>32</li> </ul>

*	TORAGAL		
<i>)</i>	تورگل 🔹		
Lat. 15°		17'	
	G.	S.	C.
Aurangzeb	******	2	
Shāh 'Ālam Bahādu	r —	1	-
	JĀLNAPŪR		
	جالندپور		
Lat. 19°	51' Long. 75	° 51′	
	G.	S.	С.
Jahāngīr		5	
	JAMMŪN		
	جهّون .		
	$Dar{a}ru$ - $l$ - $amar{a}n$		
Lat. 32	° 44' Long. 74	l° 55′	
	G.	. S.	C.
<u>Sh</u> āh 'Ālam II	-	2	
•	JODHPŪR		
	جونعيور		
	Dami I mamara		

Dāru-l-manṣūr

Lat. 26° 19' Long. 73° 8′ 'Ālamgīr II

## JAUNPŪŔ

Shāh 'Alam II

## جونپور

Dāru-z-zarb Khita mutābarak, Dāru-l-khilāfat

	Lat. 25° 44′	Long. 82° 44′		
	4 .	G.	S.	C.
Humāyūn		· ×		7
Akbar		. 3	<b>2</b> 3	. 5

Dāru-z-zarb Khita mutabarak occurs on the copper coins o Humāyūn.

 $D\bar{a}ru\text{-}l\text{-}khil\bar{a}fut$  appears on Akbar's rupees 972–985 a.H. and o some dams—one of 987 with a complete date is in the Lahore Museum

JŪNAGARH	JŪNAGADH		$ m J ar{U} N A$	.GAR
جونگاره		جونعاً	نهگر	جو
Lat. 21	° 31′	$\acute{\text{Long}}$ . $70^\circ$	36'	,
		G.	s.	C.
<u>Sh</u> āh Jahān			5	
Aurangzeb .			8	
Shāh 'Ālam Bahādı	ur		1	
Farru <u>kh</u> siyar			1	

Jūnagarh appears on the coins of Shāh Jahān and the later coins of Aurangzeb, Jūnagadh on the early coins of Aurangzeb up to 1080–13, and Jūnagar on coins of Shāh 'Ālam Bahādur and later emperors. A form جونگارگده appears on a few rupees of Aurangzeb, cf. No. 2843, 1074 A. H.

For coins of this mint, see Dr. Taylor's article in N. S. XIX, § 114.

## $JAH\bar{A}NG\bar{I}RNAGAR$ (Dacca)

ایرنگر	جهاذك		
بر حار *Lat. 23° 43	Long. 90°	34'	
•	G.	S.	C.
Jahāngīr		11	
<u>Sh</u> āh Jahān		15	
Aurangzeb		17	
<u>Sh</u> āh 'Ālam Bahādur		5	
Aḥmad <u>Sh</u> āh Bahādur	-	2	_
'Ālamgīr II		2	

#### JAIPŪR

#### جنی بور Sawāi

Lat. 20 55	Hong. 15	30	
	G.	S.	C.
Muḥammad <u>Sh</u> āh		8	
Aḥmad <u>Sh</u> āh Bahādur		2	
<u>Sh</u> āh 'Ālam II	1	10	9

#### CHHATARPŪR

ر چو ب	چهکم		
Lat. 24° 55′	Long. 79°	36'	
•	G.	S.	C.
<u>Sh</u> āh 'Ālam II		7	

## <u>CH</u>HA<u>CH</u>RAULĪ

Long. 77° 25′ Lat. 30° 15' S. Shāh 'Ālam II

C.

2

#### CHĪTOR

Long. 74° 39′ G. S. C. Akbar

## CHĪNĀPATTAN (Madras)

Aurangzeb

Muhammad Shāh

Lat. 13° Long. 80° 15' Shāh 'Alam Bahādur 8 Farrukhsiyar  $^{2}$ 

## HASANĀBĀD

حسنابان

G. S. Shāh 'Ālam II

## **HIŞAR**

 $F\bar{\imath}roza$ 

Long. 75° 44′ Lat. 29° 10′ C.

5 (Ḥiṣar Fīroza) 2 (Ḥiṣar Fīroza) Akbar

Hisar without epithet appears only on the Ilāhī dāms of Akbar.

#### **HAIDARĀBĀD**

## حيںراباں

$Dar{a}ru$ - $l$ - $jihar{a}d$	Far <u>kh</u> anda B	$Bunyar{a}d$	
Lat. 17° 22′	Long. 78°	27 <b>′</b>	
	G.	S.	C.
Aurangzeb	1	6	1
Shāh 'Ālam Bahādur		1	

Dāru-l-jihād occurs on gold and silver coins from 1099 A. H. till the reign of Shāh 'Ālam Bahādur. At some time in this reign the epithet was changed to Farkhanda Bunyād. The copper coins are without epithet.

## KHUJISTA-BUNYĀD. See AURANGĀBĀD

## KHAIRĀBĀD

خيرابان

	Lat. 27° 32′	Long. 80°	46 <b>′</b>	
	•	G.	s.	C.
Akbar				5

#### DOGĀON

ەوگادو

•				
	$Dar{a}ru$ -l- $\underline{k}\underline{h}$ il $ar{a}$ fat	$Dar{a}ru$ -s-	$salar{a}m$	
	Lat. 27° 40′	Long. 81	l° 35′	
		G.	S.	C.
$\mathbf{A}\mathbf{k}\mathbf{b}\mathbf{a}\mathbf{r}$				39

The epithet  $D\bar{a}ru$ -l- $k\underline{h}il\bar{a}fat$  becomes  $D\bar{a}ru$ -s- $sal\bar{a}m$  in 986 A.H. It is possible that coins Nos. 1163–1166 belong to this mint: if so, they give the form Dokon c, for which and for the coins of the Mint see Colonel Vost's article in J. A. S. B. 1895. The tanka pieces and subsequent coins bear no epithet.

## DAULATĀBĀD دولتابان دولتابان Dāru-l-<u>kh</u>ilāfat

Lat. 19° 57′ Long. 75° 13′ G. S. C. <u>Sh</u>āh Jahān 2 13 —

The form cocurs on the earliest coins of Shāh Jahān, cf. No. 2127. The epithet Dāru-l-khilāfat occurs on a few rupees of Shāh 'Ālam II; others of this emperor are without any epithet.

DEH	LĪ.		<u>SH</u> ĀHJAHĀNĀI	$ar{A}D$
<i>ە</i> لى	ىد		الهجهان اجان	:
$Dar{a}ru$ -l- $mulk\ H$	azrat, Ḥ	azrat	Dāru-l- <u>kh</u> ilāfa	$t^{-1}$
	Lat. 28	3° 39′	Long. 77° 15′	
	G.	•,	S.	C.
Humāyūn		•		8
Akbar	3		38	40
Jahāngīr			54	2
<u>Sh</u> āh Jahān			(13 (Dehlī)	1 (Dehlī)
			6 (Shāhjahānābād)	
$\mathbf{A}$ urangzeb	-11		89	9
<u>Sh</u> āh 'Ālam Bahādur	4		8	<del>-</del> .
Jahindār	2		3	
Farru <u>kh</u> siyar	8		27	
Rafī'u-d-darjāt	2		2	
<u>Sh</u> āh Jahān II	1		2	
Muḥammad Ibrāhīm '			<b>2</b>	
Muḥammad <u>Sh</u> āh	17		101 *	
Aḥmad <u>Sh</u> āh Bahādur	4		24	
'Ālamgīr II	8		17	3
<u>Sh</u> āh Jahān III			2	
<u>Sh</u> āh 'Ālam II	4		70	20
Akbar II	1		. 15	. 8
Bahādur <u>Sh</u> āh			2	

Dehlī. Dāru-l-mulk Ḥazrat appears on Humāyūn's copper coins, on gold coins of Akbar from 977-979 A.H., and on dāms of 981; cf. No. 965. Ḥazrāt alone occurs on early gold coins of Akbar, on silver coins up to 986 A.H., and copper dāms 962-988 A.H.

Copper coins of Dehlī are known as late as Shāh Jahān's twelfth regnal year, and rupees of the year 1049. Shāhjahānābād coins begin apparently from 1058, and in 1069 A. H. appears the epithet  $D\bar{a}ru$ -l-khilāfat, which is associated with this mint on silver and gold coins to the end of the series. Copper coins are all without epithet.

DEOG	ARH		
وگره	<u>ں د</u>		
<u>Sh</u> āh 'Ālam II	G. —	S. 10	C.
RAVI <u>SH</u> NAGAR ر ساگر		(Sangor)	
Lat. 23° 51′	Long. 78		
<u>Sh</u> āh 'Ālam II	G. 	S. 9	C.
RŌH	TĀS	٠	
اس	رهت		
Lat. 32° 55′ Jahāngīr	Long. 73 G.	° 48′ S. 2	C.
SRĪNAGAI	R. (Garhw	ā])	
لگر Lat. 30° 13′ Shāh 'Ālam II For Srīnagar (Ka <u>s</u>	سری Long. 78 G.	° 46′ S. 2	C
S'ADNAG منگر	سعر	•	
Lat. 17° 53′ Farru <u>kh</u> siyar	Long. 7 G.	5° 4′ S. —	C.

#### SÜRAT

#### سورت Bandar-i-mubārak

Lat. 31° 12′	Long. 72	50′	
	Ġ.	s.	C'.
Jahāngīr		4	
Jahāngīr and Nūr Jahān		10	
Shāh Jahān	1	88	
Murād Ba <u>kh</u> sh		3	
Aurangzeb	5	128	7
Shāh 'Ālam Bahādur		4	
Jahāndār		4	
Farru <u>kh</u> siyar		14	
Shāh Jahān II		2	
Muḥammad <u>Sh</u> āh	_	18 '	
Ahmad <u>Sh</u> āh Bahādur		1	_

Bandar-i-mubārak occurs as epithet on the gold and silver of Aurangzeb's first year. For coins of this mint, see Dr. Taylor's 'The Coins of Sūrat', J. R. A. S. (Bombay Branch) 1907.

## SAHĀRANPŪR

سهار**دپرو**ر Dāru-s-sarūr

Lat. 29° 57	Long. 11	<b>3</b> 3	
	G.	s.	C.
Akbar			3
Aurangzeb		1	
Shāh 'Ālam II		. 7	10

 $D\bar{a}ru\text{-}s\text{-}sar\bar{u}r$  occurs on Shāh 'Ālam's rupees and on a fulūs of the 31st year, No. 5214.

SAHRIND	SARHI	ND	
سهرنن	رهنن	w	
Ba	ldat		
Lat. 30° 38′	Long. $76^{\circ}$	27'	
	G.	S.	° C.
Akbar			2
Aurangzeb		10	_
Shāh 'Ālam Bahādur	-	1	
Farru <u>kh</u> siyar		3	-
Muhammad Shāh		5	
Ahmad <u>Sh</u> āh Bahādur	. <del></del>	2	
'Alamgīr II		2	
		0 37	00=

Baldat is used on a few dams of Akbar, cf. No. 997.

#### SĪTPŪR

Lat. 29° 10′ Long. 70° 50'

G. S. C. Akbar 4

SHOLĀPŪR

شولابور Lat. 17° 40′ Long. 75° 54′

G. S. Aurangzeb 12

SHERGARH

Lat. 24° 49′ Long. 83° 46′

G. S. C. Akbar

ZAFARĀBĀD

ظفرابان

Lat. 17° 55′ Long. 77° 32′

G. S. Shāh Jahān Aurangzeb

ZAFARPUR

S. C. Aurangzeb

ZAFARNAGAR

ظغرنگر

G. S. C. Jahāngīr

This mint has been identified with Jafarābād in the Aurangābād district by Mr. S. H. Hodivālā.

#### 'ĀLAMGĪRPŪR

## 'AZĪMĀBĀD. See PATNA

## FATHPÜR

## فتحيور

Dāru-s-saltanat

	Lat. 27° 5′	Long. 77° 40′		
		G.	S.	C.
$\mathbf{A}\mathbf{k}\mathbf{b}\mathbf{a}\mathbf{r}$		2	10	9
Jahāngīr		1 ?		_

The epithet  $D\bar{a}ru$ -s-saltanat occurs on gold coins of Akbar after 986, and on silver and copper coins from 985 a. H. There is a quarter rupee of 987 in the Bodleian Collection without the epithet. After Akbar's reign the epithet is dropped, but reappears on the unique rupee of Shāh Jahān in the Lahore Museum.

#### FARRUKHĀBĀD

فرخابان

A h madnagar

Lat.	27° 24′	Long. 79° 34′	
	G.	S.	С.
Farru <u>kh</u> siyar		4	
Muḥammad <u>Sh</u> āh	1	2	<del></del>
Aḥmad <u>Sh</u> āh Bahādur		3	_
'Ālamgīr II	_	. (1	
		l 4 (Aḥma	dnagar Farru <u>kh</u> āb <b>ād</b> )
<u>Sh</u> ālı Jahān III		1	
<u>Sh</u> āh 'Ālam II	1	91	_

The change to Aḥmadnagar Farrukhābād occurred in 'Ālamgīr II's second year.

The East India Company revived the simple Farrukhābād on coins struck in a collar, or with milled edges.

#### QAMARNAGAR (Karnūl)

قمرنگر

Lat. 15° 50′ · Long. 78° 4′
G. S. C.
Aurangzeb — 1 —

## $\mathrm{QANDAH}\bar{\mathrm{A}}\mathrm{R}$

قنںھار

Lat. 31° 37′ Long. 65° 43′
G. S. C.
Jahāngīr — 58 —
<u>Sh</u>āh Jahān — 22 —

## QANAUJ

قنوج

Urf Shāhgarh Dāru-l-khilāfat. Shāhābād

1200. 21 3	Long. 19	50	
	G.	S.	C. *
Akbar			6 ( <u>Sh</u> āhgarh)
Muḥammad <u>Sh</u> āh	1	17	
Aḥmad <u>Sh</u> āh Bahādur		2	_

Under the Sūrī kings Qanauj was known as  $\underline{Sh}$  ergarh.  $\underline{Sh}\bar{a}hgarh$  occurs on some dāms of Muḥammad 'Ādil Sūr, and with the addition of  $D\bar{a}ru$ -l- $khil\bar{a}fat$  on Akbar's dāms. From the reign of Muḥammad  $\underline{Sh}\bar{a}h$  to the end of the series  $\underline{Sh}\bar{a}h\bar{a}b\bar{a}d$  Qanauj appears.

#### KĀBUL

کابل

Dāru-l-mulk

Lat. 34° 30′	Long. 69° 13′		
	G.	S.	C.
Humāyun		1.	
Akbar		5 .	2
Jahāngīr		. 5	_
<u>Sh</u> āh Jahān	- Allendaria	6	. —
Aurangzeb		7	

The epithet  $D\bar{a}ru$ -l-mulk occurs first in the year 1094 A.H., and is thenceforward retained.

#### KĀLPĪ

كالييي

Dāru-z-zarb Muḥammadābād.	Dāru-z-zarb Khit	a. Dāru-z-zarb
Lat. 26° 8′		• •
	G. S	. С.

Akbar — 3 13

On the copper issues 963–964  $D\bar{a}_{I}u$ -z-zarb  $Muhammad\bar{a}b\bar{a}d$ ; from 964–969 Khita is substituted for  $Muhammad\bar{a}l\bar{a}d$ . A dām of 973,

No. 1032, appears to have  $D\bar{a}ru$ -z-zar $\bar{b}$  alone.

KASHMĪR.

#### KATAK (Cuttack)

كتك

Lat. 20° 29'	Long. 85°	52'	
	G.	S.	C.
Akbar	<u></u>	1	
<u>Sh</u> āh Jahān		5	
Aurangzeb		8	
Aḥmad <u>Sh</u> āh Bahādur		11	

## KARĪMĀBĀD

كريمابان

	G.	S.	C.
Shāh 'Ālam Bahādur		5	

؞؞ؚڔ	کشہ	سرىنگر	•
	Lat. 34° 5′	Long. 74° 50'	
	G.	S.	C.
$\mathbf{A}\mathbf{k}\mathbf{b}\mathbf{a}\mathbf{r}$		9 (Srīnagar)	3 (Srīnagar)
Jahāngīr		27	
<u>Sh</u> āh Jahān		5	-
Shāh 'Alam Bahādu	r —	1	
Muḥammad $\operatorname{\underline{Sh}}$ āh		1	1

SRĪNAGAR

A gold coin in the Lahore Museum is the only known coin of Mughal type of Akbar struck in Kashmīr. Small square silver pieces of the Kashmīr type are known. Otherwise he uses the name Srīnagar for silver and copper. Subsequent coins all bear the name Kashmīr.

C.

#### KORĀ

كورا Lat. 26° 7′ Long. 80° 22′ G. S.

	1	
1	33	
	2	
	2	-
	2	. —
	1 —	_ 2

The name کورا on the coins of Shāh 'Ālam II is followed by the word هجری .

KÜNCH	КŪ <u>СН</u>		
كونچ	3	کوج	
Lat. 25° 59′	لوچ 10′ Long. 79°		
	G.	S.	C.
Shāh 'Ālam II		1	

The earlier coins of <u>Sh</u>āh 'Ālam present the form Kūch; the mint name is followed by the word جبى.

KHAMB	$\bar{\mathbf{A}}\mathbf{Y}\mathbf{A}\mathbf{T}$	${ m KAMBar{A}YA}$	T (Cambay)
بايت	كهنب	كنبايت	
Lat.	22° 18′	Long. 72° 40′	
	$\mathbf{G}$ .	S.	С.
Shāh Jahān	_	5	
Murād Ba <u>khsh</u>		1	
Aurangzeb		2 (Khaml	
	3 (Kan	abāyat \32 (Kamba	iyat) —
Shāh 'Ālam Bahādur	_	1	
Jahāndār		1	
Farru <u>kh</u> siyar		1	_
Rafī'u-d-darjāt		1	
Muḥammad <u>Sh</u> āh		. 6	
Aḥmad Shāh Bahādur		1	

The earliest known coin with the spelling نجبایت is I believe No. 3148 of 1077:8 R. For coins of this mint see N. S. XX, § 119, 'The Mughal Coins of Cambay' by G. P. Taylor.

#### GADRAULA

Gulbarga appears on coins of Aurangzeb up to 1115, also on Kām Ba<u>khsh</u>'s coins, and possibly on a muhr of Jahāndār,  $I.\,M.\,C.$ , No. 1710. Kām Ba<u>khsh</u> also uses the name Aḥsanābād.

## GULKANDA (Golconda)

GWĀLIAR

 $GW\bar{A}LI\bar{A}R$ 

كواليار	المير	<sup>ب</sup> گو	
Qil'a	$Muqar{a}m$		
Lat. 26° 13′	Long. 78°	10'	
	. G.	S.	С.
Akbar			5
Aurangzeb		<b>2</b>	
Farru <u>kh</u> siyar	. —	6	-
Muḥammad Shāh		23	- <del>-</del>
Ahmad Shāh Bahādur		1	_
'Ālamgīr II		4	-
Shāh 'Alam II		8	_

On all the copper coins of Akbar the name is spelt گوالير. On the early coins the epithet Qi'a Muqām appears.

#### GOBINDPŪR

گوبنن بيور Lat. 23° 38′ Long. 86° 9′ G. S. C. Akbar — — 3

GORAKPŪR MUʿAZZAMĀBĀD

معظم ابان

Dāru-l-khilāfat

Lat. 26° 44′ Long. 83° 23′

G. S. C.

Akbar — 2 (Gorakpūr)

Farrūkhsiyar — 1 (Muʿazzamābād) —

The coins of Muʻazzamābād begin with some rare rupees of Aurangzeb.  $D\bar{a}ru$ -l- $\underline{kh}il\bar{a}f\bar{a}t$  appears on the earlier fulūs type of Akbar.

$\operatorname{GOK}$ ĀK		AʻZAMNAGAR (Belg	gaum)
كوكاك		اعظمنگر	
Lat.	15° 51′	Long. 74° 31′	
•	G.	S.	С.
Aurangzeb		1 (Aʻzamnagar)	
Kām Ba <u>khsh</u>		1 (Gokāk)	·
Shāh 'Alam Bahādur		1 (Aʻzamnagar)	
Farru <u>kh</u> siyar		1 (Aʻzamnagar (	Jokāk)

For this mint see N. S. XXVIII, § 179, by S. H. Hodivālā, who is responsible for deciphering the name Gokāk. See also N. S. XXX, § 193.

## GOKULGARH گوکلگره Lat 28° 12′ Long. 76° 40′ G. S. C. Shāh 'Alam II — 12

#### GOHUD

گهھں Long. 78° 27' Lat. 26° 26'

S. C. Shāh 'Ālam II 1

#### LĀHOR

## لاهور

- )	_		
Dāru-l- <u>kh</u> ilāfat.	$Dar{a}ru$ -s-sal $t$ a $n$ a $t$		
Lat. 31° 35'	Long. 74° 20′		
	G.	s.	C.
Humāyūn		1	18
Akbar	6	167	25
Jahāngīr	1	122	
Jahāngīr and Nūr Jahān		3	
Shāh Jahān		<b>74</b>	
Aurangzeb		76	3
Shāh 'Ālam Bahādur	·	5	
Jahāndār	1	2	
Farru <u>kh</u> siyar		14	
Rafī'u-d-darjāt		1	
Shāh Jahān II		1	
Muḥammad Shāh	2	34	
Aḥmad Shāh Bahādur		11	
'Ālamgīr II	1	10	3

Dāru-l-khilāfat occurs on Humāyūn's copper. It reappears on Akbar's gold in 976, and perhaps in 984, or earlier on silver. In 986 appeared the square muhrs and rupees, and on them the title becomes Daru-s-saltanat. It had appeared on copper in 976. It disappears with the Ilāhī coins; reappears on Shāh Jahān's earliest coins; is again removed, to appear once more on Aurangzeb's silver and gold coins, from which time it continues to the end of the series.

## LAKHNAU (Lucknow)

## لكهنو

	Dāru-l- <u>kh</u> ilāfat.	<u>Kh</u> ita. S	larkār	
	Lat. 26° 52'	Long. 80°	56'	
		G.	S.	C.
Akbar		_	<b>2</b>	13
Aurangze	b		52	

	G.	S.	С.
Shāh 'Ālam Bahādur		7	
Jahāndār		1	
Farru <u>kh</u> siyar		9	
Rafī'u-d-darjāt		1	
<u>Sh</u> āh Jahān II		1	_
Muḥammad Shāh		3	

 $D\bar{a}ru$ -l- $k\underline{h}il\bar{a}fat$  occurs first on a dām of 975, and with the exception of one dām of 981 in the collection of Mr. H. Nelson Wright all subsequent dāms bear this epithet.  $Sark\bar{a}r$  appears on a dām of 967, and  $\underline{K}hita$  on a dām of 963. The silver and gold coins of this mint are without epithet. For an account of the coins of this mint see N. S. XXV, § 151.

## LAHRĪ BANDAR

لهری بندر Lat. 24° 32′ Long. 67° 24′ G. S. G

## MĀLPŪR

Akbar

مالبور Dāru-l-khilāfat

Lat. 23° 21′ Long. 73° 28′
G. S. C.
Akbar — — 3

The honorific title appears only on one gold and one silver coin of early type.

## MACHHLĪPATTAN (MASULIPATAM)

مىچىلىيدىتى Lat. 16° 9′ Long. 18° 11′ G. S. C. Aurangzeb — 1 — Muhammad Shāh — — , 1

MUḤAMMADĀBĀD BANĀRAS. See BANĀRAS

#### MINTS

#### $MUHAMMADĀBĀD^{1}$

#### محمداباد

Dāru-l-fulūs

#### MUḤAMMADNAGAR TĀNDA ²

محمدنگر تادره G.

Shāh ' $\tilde{A}$ lam II G. S. C.

### MAKHŞŪŞĀBĀD. See MURSHIDĀBĀD

#### MURĀDĀBĀD

مراداداد

Lat. 28° 49′ Long. 78° 49′
G. S. C.
'Ālamgīr II — 6 —
Shāh 'Ālam II — 21 —

$ ext{MURSHIDA}$	${ m Bar{A}D}$	MA <u>KH</u> ŞŪŞĀBĀD	
مرشىابان	,	مخصوصابان	
Lat. 24	° 11′	Long. 88° 18′	
	G.	S.	C.
Aurangzeb		( 1 (Ma <u>kh</u> ṣūṣābād)	_
		( 4 (Mur <u>sh</u> idābād)	
Shāh 'Ālam Bahādur		1	
Farru <u>kh</u> siyar		8	
Rafī'u-d-darjāt	<del></del>	1	
Shāh Jahān II		1	
Muḥammad Shāh		21	
Ahmad Shāh Bahādur		7	
'Ālamgīr II		6	
Shāh 'Ālam II	1	20	

Makhṣūṣābād occurs only on coins of 1115-1116 а.н. In 1117 the name Murshidābād appears.

After A.D. 1765 Murshidābād coins are issues of the East India Company.

1 Probably Banāras, but the name has not been read on the coins.

<sup>&</sup>lt;sup>2</sup> The reading Tānda is now fairly established from a find from which No. 5079 a came. From the style the mint should be found in Rohilkhand or the neighbourhood.

#### MUSTAFA-ĀBĀD (Rāmpūr)

#### مسطفهایان

Lat. 30° 12' Long. 77° 12' S. C. Shāh 'Ālam II

#### MUZAFFARGARH

مطفوكره Lat. 30° 4′ Long. 71° 14′

C. Shāh 'Alam II

### MU'AZZAMĀBĀD, See GORAKPUR

#### MULTĀN

#### ملتار،

#### Dāru-l-āmān

Lat. 30° 12′	Long. 71	° 30′	
	G.	S.	C.
Akbar		2	2
Shāh Jahān	4	77	
Aurangzeb	2	56	<b>2</b>
Shāh 'Ālam Bahādur		1	
Farru <u>kh</u> siyar		4	
Rafī'u-d-darjāt		1 ,	
Muḥammad Shāh	1	5	5
Aḥmad <u>Sh</u> āh Bahādur		2	

 $D\bar{a}ru$ -l- $\bar{a}m\bar{a}n$  occurs only on silver and gold of the first four years of Aurangzeb's reign.

#### MULHĀRNAGAR (Indor)

ملهار فگر

Long. 75° 54' Lat. 22° 43′

S. Shāh 'Alam II

#### MUMBAI (Bombay)

منبے

Lat. 18° 55′ Long. 72° 54′

G. S. C.

Muḥammad — 1 —

Mumbai coins were struck by the East India Company in the names of the Mughal emperors.

MANDŪ MĀNDŪ ماذى منى Lat. 22° 21′ Long. 75° 26′ G. S. C. Humāyūn — — 2

The form ماندو occurs on a unique rupee of Jahāngīr: see list of Couplets, No. 51.

#### MŪMINĀBĀD. See BINDRABAN

MAHINDRAPŪR BRAJ INDRAPŪR (Bharatpūr)

برج اندر يور هه اندر يود مهندر يود مهندر يود اندر يود اندر يود اندر يود الد 27° 13′ Lat. 27° 13′ Long. 77° 30′

G. S. C.

Aḥmad Shāh Bahādur — 1 —
'Ālamgīr II — 1 —
Shāh Jahān III — 2 —
Shāh 'Ālam II — 2 —
13 —
1 (Braj Indrapūr)

is the spelling found only on rupees of Ahmad <u>Shāh</u> Bahādur. Braj Indrapūr is the form on the latest coins of <u>Shāh</u> 'Ālam II. Bharatpūr is also found on copper coins of Shāh 'Ālam II.

#### MĪRTHA

Lat. 29° 1′ Long. 77° 43′
G. S.

G. S. C.
Akbar — 1

#### MINTS

MAILĀ	APUR		
<u>ري</u> ور	ميل		
. Lat. 13° 4′	میرا Long. 80°	15'	
	G.	s.	C.
Shāh 'Ālam Bahādur	1	1	
	•		
NĀR	N/OT		
نول ۲.۸ ۵۵۶ ۱۳	ار •	221	
Lat. 28° 15′	G.		a
Akbar	G.	S. 1	C. 64
Jahāngīr			3
<u>Sh</u> āh Jahān	<del></del> , ·-		3
Aurangzeb	_	7	2
NAJAI	TO A DIT		
<i>گر</i> ه			
Lat. 26° 18′			~
Shāh 'Ālam II	G.	S. 1	C. 1
Snan Alam II	· ·	1	
NAJĪI	BĀBĀD		
ادان	نجير		
Lat. 29° 36′	•	23′.	
	G.	S.	· C.
'Ālamgīr II	1	6	1
Shāh 'Ālam II	4	35	24
N.T.A.T.	117 A T)		,
NAR	LWAR	,	
رر	قرو	0	
Lat. 25° 39′	Long. 77		_
41 1 Cl = 1 TO 1 = 1	G.	S.	С.
Aḥmad Shāh Bahādur		1	
'Ālamgīr II Shāh 'Ālam II		1 5	3
Shan Alam II			3

78 MINTS

#### NAȘRULLANAGAR

نصراللةنكر

 Shāh 'Ālam II
 G.
 S.
 C.

 Shāh 'Ālam II
 —
 6
 —

#### NUSRATĀBĀD

نصرتابان

Lat. 16° 35′ Long. 76° 51′

Aurangzeb G. S. C. - 1 -

#### HĀTHRAS

هانهرس

Lat. 27° 36′ Long. 78° 4′

Shāh ' $\tilde{A}$ lam II G. S. C.

### $HARDW\bar{A}R$

هرد وار

Tīrati

Lat. 29° 57′ Long. 78° 12′

 Shāh 'Ālam II
 G.
 S.
 C.

 1
 —
 1
 —

#### Mintless

G. S. C.
Akbar 1 46 4
Shāh 'Ālam II — — 2

# Unassigned

	G.	S.	С.
Bābur		* 9	
Humāyūn		` 2	
Akbar	2	30	29
Jahāngīr		. 3	3
Shāh Jahān	3	5	2
Murād Ba <u>khsh</u>		1	
Aurangzeb	1	3 .	1
Farru <u>kh</u> siyar	_		1
Aḥmad Shāh Bahādur		1	
Shāh 'Alam II	_	2	19

#### A NOTE ON ORNAMENTS

Following Mr. H. Nelson Wright in his Catalogue of the Mughal Coins in the Indian Museum these marks on Mughal coins have been called ornaments, but they are to be distinguished from any devices which form part of the general ornamental designs which appear on many coins. What the exact purpose of these special marks was has not yet been determined, but that the changes in these marks had some special significance in connexion with the mint seems obvious, and we have one piece of evidence showing what in Shāh 'Ālam's reign in the Bareli mint the significance of some of these marks was. In Mr. Thurston's article in the J. A. S. B., 1893, 'Note on the History of the East India Company Coinage', p. 66, occurs this passage: 'It appears from a report by Mr. Seton that the system of farming the Barailī mint was abolished in 1802. No alteration was introduced into the standard of the rupee, except that, to mark the period at which the change of system took place, the Persian letter  $\overline{\phantom{a}}$  (the first letter of the late Sūtah Ḥusain 'Alī  $\underline{\underline{Kh}}$ an) was discontinued and  $\underline{\phantom{a}}$  (w) substituted in compliment to the Lieutenant-Governor' (sic); cf. coins; Nos. 4643-4645.

Certain marks have long been recognized as relating to special dynasties or communities. M 80, the ankūs, for example, is a Mārāthī mark.¹ M 268, M 102 show the control of the Nawāb Wazīrs of Awadh. Other marks were adopted by certain mints for long periods irrespective of changes in the mint management, M 96, 97 for example by Shāhjahānābād, M 81 by 'Azīmābād. Another use of these marks may have been to protect the coinage against forgery by continually changing them. The East India Company we know employed private marks for this purpose.² But without wishing to over-emphasize the importance of these ornaments, it has seemed advisable to make the accompanying list as complete as possible, for the use of the future student, and also for the general help they give in deciphering defective coins.

Owing to the fact that Mughal die-cutters cut each die by hand there exist numberless varieties of some mint marks; in long series of coins bearing the same mark this mark is very liable to degenerate

<sup>&</sup>lt;sup>1</sup> Cf. N. S. XXII, § 125. The Post-Mughal Coins of Ahmadābād.

<sup>&</sup>lt;sup>2</sup> Thurston, ibid., p. 62.

in form, for example, No. 227 on the Muḥammadābād Banāras series. In preparing the plates typical marks have as far as possible been represented in each case. Sometimes it has been rather difficult to decide whether two marks are distinct or merely variants of one form; in these cases all that is possible is to rely on one's own judgement. Sometimes it may have happened that an ornament as represented in the plates is imperfect, where only one or two coins exist on which the ornament is represented, and where part of it has missed the disk of the coin, but such cases it is hoped are few.

# INDEX TO PLATES OF ORNAMENTS

Note. Numbers in thick type indicate gold, those in italics silver, and those in ordinary type copper coins.

71.		Mint	
Mint	Coins	Mark	Coins
<sup>1</sup> Mark	TALAT 40	25.	<b>8</b> 50, 903.
1.	I. M. No. 16.	26.	30, 452, 531, 761, 876, 888,
2.	<b>63</b> , <b>68</b> , <b>82</b> , 115, 117, 263,	20.	1031, 1033, 1034, 1163, 1173,
	453, 457, 469, 488, 529, 549,		3146, 4452, 4555, 4593, 4606,
	763, 765, 806, 863, 1009, 1053,		4674, 4857, 4943, 5195, 5247,
	1415, 1600, 1745, 1871, 2263,	27.	734, 776, 969, 3932 a, 4313,
	2623, 2771.	21.	4707.
2 a.	9, 13, 16, 24, 27, 59, <b>84</b> ,	28.	928, 931, 936.
9	1872, 1906, 2010.	29.	5202, 4610 c.
$\frac{3}{4}$ .	32. <b>71</b> , <b>86</b> , <b>90</b> , <i>111</i> , <i>120</i> , <i>262</i> ,	30.	547.
4.	277, 283, 288, 293, 319, 365a,	31.	755, 771, 1029, 1069.
	367, 466, 489, 552 a, 554, 557,	32	484, 545 a, 4554, 4559, 4565,
	768, 769, 770, 785, 791, 794,	~ <b>-</b>	4616, 4632, 4712, 4804,
	849, 857, 860, 904, 907, 919,		5086 b.
	930, 935, 962, 963, 1030, 1032,	33.	902.
	1043, 1048, 1070, 1074, 1080,	34.	3215, 4136, 5017, 5019.
	1174, 2113.	35.	890, 1154, 1160, 1162, 4096,
5.	<b>74</b> , <i>289</i> .		4859, 5169.
6.	815.	36.	<i>1294</i> .
7.	<b>62</b> , <i>113</i> , 805	37.	44, 48, 53, 55, 59, <i>2996</i> , <i>3495</i> ,
8.	I. M. No. 78.		4503, 4861, 4900 <b>.</b>
9.	I. M. No <b>84</b> .	38.	I. M. No. 674.
10.	I. M. No. <b>85</b> .	39.	
11.	<b>92</b> , <i>562</i> , 997.	40.	<b>67</b> α, 265, 266, 525, 527, 704,
12.	<b>88</b> , 803.		709, 750, 1005, <b>1182</b> , 1281,
13.	<b>64</b> , 98, 122, 126, 778, 814,		1373, 1375, 1416.
	1935, 4309, <b>4501</b> , 4618, 4621,	. 41.	
	4699, 5167, 5168.	42.	I. M. No. 685.
14.	779, 4643.	43.	<b>1817</b> , <b>1818</b> , <i>2407</i> , <i>2408</i> ,
15.	I. M. No. 206.	144	<b>2488</b> , <i>3342</i> , <i>4680</i> .
16.	<i>275</i> .	44.	2118, 4549.
17.	I. M. No. 288.	45.	
18.	I. M. No. 291.		4405, 4471, 4604, 4839, 4842, 4847, 4850, 4890, 5053, 5080,
19.	I. M. No. 308.		5083, 5109.
$20. \\ 21.$	218.	46.	T 3 5 3 7
21. 22.	276, 757, 3371. 752.	47.	
23.	I. M. No. 333.	48.	
$\frac{23}{24}$ .		10.	3459, 3462, 4094.
44.	1143, 1170, 5276.	49.	
	IIIO, IIIO, OMIO.	,	,,,,,

<sup>&</sup>lt;sup>1</sup> Mint-marks 1-149 are identical with the corresponding numbers in the *Indian Museum Catalogue*, vol. iii.

$\mathbf{Mint}$	Coina	$\operatorname{Mint}$	Coins
Mark	$\operatorname{Coins}$	Mark	Coms
50.	<i>3383</i> .	91.	4229, 4364, 4456, 4519, 4610 b,
51.	2991.		4621, 4626, 4717 a, 4978,
52.	3460.		5095, 5118, 5163, 5215, 5257,
53.	3183.		5261.
54.		92.	<b>4497</b> , 5023, 5167 a.
		93.	
55.	I. M. No. 1810.	94.	
	3003, 4073.	1	, =
57.		95.	I. M. No. <b>2274</b> .
58.		96.	,,,,,
59.			4859, 4928, 5323.
	4671, 4676, 4681, 4686, 4924,	97.	4532, 4950, 4964, 4968, 5110
	5063.	98.	
60.		99.	
	<b>4221</b> ,4280,4331,4459, <b>4495</b> ,	100.	I. M. No. <i>2331</i> .
	<b>4498</b> , 4967, 4978, 5087, 5302,	101.	<i>4640</i> .
	<i>5323</i> .	102.	4616, 4630.
61.	3939.	103.	4620, 4630, 4669 <b>.</b>
62.	4260, 4297, 4751, 5050, 5291.	104.	4606, 5278, 5284.
63.	2939.	105.	
64.	4091.	106.	4504.
65.		107.	<i>5066</i> .
	I. M. No. 2007.	•	I. M. No. 2354.
6 <b>7</b> .	I. M. No. 2079.		I. M. No. 2355.
68.	4303.	110.	
	4237.	111.	
	I. M. No. 2099.	112.	46.15 a.
71	859, <i>4241</i> , <i>4532</i> , <i>4618</i> , <i>4621</i> ,	113.	
11	4632, 4856.	114.	
72.	4376.		I. M. No. 2363.
73.		116.	
74.	w ** ** * * * * * * * * * * * * * * * *	117.	1012, 4685, 4688, 5083,
75.	4254.	11	<i>5222.</i>
	4259, 4679 a.	118.	
77.		119.	
78.	2121.	120.	
79.	885.	121.	
80.	4480.	122.	
		123.	
81.		120.	4682, 4687, 4692, 4699, 5081,
82.			
83.	4386, 4388, 4406, 4697, 4826,	104	5087, 5107.
10.4	4840.	124.	
<sup>1</sup> 84.	=No. 223.	125.	
85.	<i>3935</i> , <i>3941</i> , <i>4266</i> , <b>4351</b> , <i>4393</i> ,	126.	*
	<b>4490</b> , 4682, 4687, 4696, 4699,	127.	4766.
	4780.	128.	4762.
86.	4403.	129.	4767.
87.	42, 1070, 4403, 4676 a, 5205.	130.	I. M. No. 2441.
88.	4454, 5238.	131.	I. M. No. 2448.
89.	I. M. No. 2247.	<sup>2</sup> 132.	I. M. No. 2449.
90.	2974, 4624, 4631, 5030, 5079,	133.	<i>5110</i> , <i>5218</i> .
	<i>51</i> 78.	134.	<i>5110.</i>

 $<sup>^{\</sup>rm I}$  I think No. 228 is the more correct form of this mark.  $^{\rm 2}$  I cannot distinguish this mark from No. 97.

**F** 2

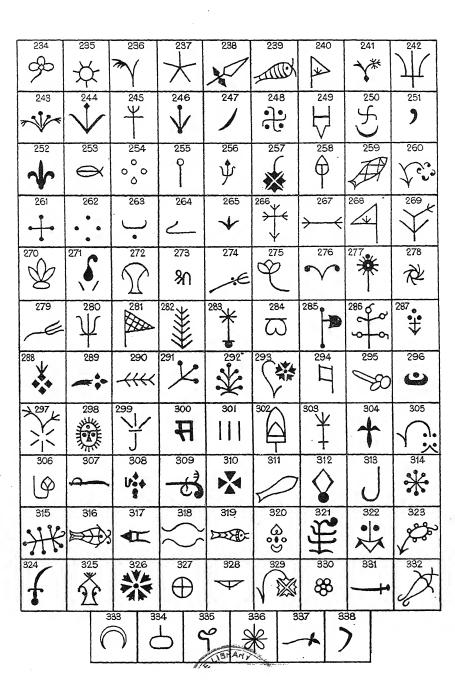
Mint	Coine	Mint	Coins
Mark	Coins	Mark	Coms
135.	<b>4501</b> , 4626, 5163, 5256, 5263,	184.	2403.
100.	5268.	185.	2421.
136.	<b>4490</b> , 4780, 4933, 4935, 4940,	186.	2488.
150.	5200.	187.	2494.
137.	4516, 5063.	188.	2626.
138.	4593.	189.	2699.
139.	4609, 5218, 5295.	190.	2933, 4629, 4647.
			2915, 2953.
140.	<b>4499</b> , 5150, 5215, 5218, 5223,	191.	
1 4 1	5227, 5254, 5259, 5264, 5293.	192. 193.	2985.
141.	I. M. No. 2493.	193.	3110.
142.	906, 4518, 4532, 5075, 5194,		3138.
1.40	5212.	195.	
143.	4560, 4967.	196.	3167.
144.	4964, 5173.		3317, 3478.
145.	I. M. No. 2486.	198.	
146.	I. M. No. 2517.	199.	3367.
147.	4308 a.	200.	3373.
148.	47, 5213, 5216, 5257, 5274.	201.	3374.
149.	<b>72</b> , 848.	202.	• • •
150.	95.	203.	
151.	<i>214</i> .	204.	· · · · · · · · · · · · · · · · · · ·
152.	<i>271</i> , <i>766</i> .	205.	
153.	<i>292, 766</i> , 1068, 1169, <i>4464</i> .	206.	<i>3498, 3557</i> .
154.	<i>452, 773.</i>	207.	<i>3628</i> .
155.	<i>476</i> , 5213.	208.	3654.
156.	477.	209.	<i>3752</i> .
157.	525, 527, 4610 a.	210.	3734.
158.	529, 530.	211.	<i>3852</i> .
159.	<i>530</i> .	212.	<i>3930</i> .
160.	546, 777.	213.	3947.
161.	275 a, 754, 762.	214.	<i>4098</i> .
162.		215.	<i>4209, 4338</i> <b>.</b>
163.	758.	216.	
164.	767.	217.	
165.	776.	218.	4248, <b>4362</b> , 4466, 4841, 4845,
166.	803.		4849, 4879, 4987, 4999, 5284.
167.		219.	4270.
168.		220.	
169.		221.	<i>4308</i> .
170.		222.	
171.		223.	4380, 4388, 4452, 5015, 5018,
172.	1009, 1937 c.		5214, 5217, 5222, 5227, 5254,
173.	1035	1	5259.
174.	1491, 4616, 4632, 5166, 5171.	224.	4407.
175.		225.	<b>4490</b> , 4567, 4615 a, 4903, 4905,
176.			<i>50.23</i> , <i>5074</i> , <i>5076</i> , <i>5194</i> , <i>5200</i> .
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180.		229.	· · · · · · · · · · · · · · · · · · ·
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182. 183.		231.	
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238. 4584, 5287.       292, 5055, 5057.         239. 4548, 5287.       293, 5063.         241. 4503.       294, 5073.         242. 4604.       296, 5086, 5125.         243. 4608.       297, 5107.         244. 4616, 4631.       298, 5118, 5281.         245. 4620, 5167 b.       299, 5118.         246. 4620, 4630, 4896 a.       300, 5136.         247. 4622.       301, 5136.         248. 4628.       302, 5144.         249. 4634, 5171, 5197, 5212.       303, 5166.         250. 4642.       304, 5170.         251. 4645.       305, 5176.         252. 4658.       306, 5179.         253. 4659.       307, 5189.         254. 4663.       308, 4860 a.         255. 4693.       309, 5196.         257. 4694.       310, 5193, 5203.         257. 4694.       311, 5203.         258. 4769.       312, 5215.         259. 4699, 5294.       313, 5218.         260. 4699.       314, 5218.         261. 4777.       315, 5220.         263. 4762.       316, 5230, 5247, 5267.         264. 4762.       316, 5230, 5247, 5267.         266. 4780.       322, 5293.         267. 4856.       326, 5317.	20-		1	
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241. 4593.       295. 5078.         242. 4604.       296. 5086, 5125.         243. 4608.       297. 5107.         244. 4616, 4631.       298. 5118, 5281.         245. 4620, 5167 b.       299. 5118.         246. 4622.       300. 5136.         247. 4623.       301. 5136.         248. 4628.       302. 5144.         249. 4634, 5171, 5197, 5212.       303. 5166.         250. 4642.       304. 5170.         251. 4645.       305. 5176.         252. 4658.       306. 5179.         253. 4659.       307. 5189.         254. 4663.       308. 4860 a.         255. 4693.       309. 5196.         257. 4694.       310. 5193, 5208.         257. 4694.       311. 5203.         258. 4695.       312. 5215.         259. 4699, 5294.       313. 5218.         260. 4699.       314. 5218.         261. 4777.       315. 5220.         262. 4755, 4895, 5172.       316. 5230, 5247, 5267.         263. 4762.       317. 5276.         264. 4762.       318. 5290.         265. 4792, 4819, 5218, 5252.       319. 5292.         266. 4780.       320. 5293.         267. 4795.       321. 5295. <t< td=""><td></td><td></td><td></td><td></td></t<>				
242. 4604.       296. 5086, 5125.         243. 4608.       297. 5107.         244. 4616, 4631.       298. 5118, 5281.         245. 4620, 5167 b.       299. 5138.         246. 4620, 4630, 4896 a.       300. 5136.         247. 4622.       301. 5136.         248. 4028.       302. 5144.         249. 4634, 5171, 5197, 5212.       303. 5106.         250. 4642.       304. 5170.         251. 4645.       305. 5176.         252. 4658.       306. 5179.         253. 4659.       307. 5189.         254. 4663.       308. 4860 a.         255. 4693.       309. 5196.         256. 4693, 4696.       310. 5193, 5203.         257. 4694.       31. 5203.         258. 4695.       312. 5215.         259. 4699, 5294.       313. 5218.         260. 4699.       314. 5218.         261. 4717.       315. 5220.         263. 4762.       316. 5230, 5247, 5267.         264. 4762.       316. 5230, 5247, 5267.         265. 4792, 4819, 5218, 5252.       319. 5293.         266. 4780.       320. 5293.         267. 4795.       321. 5293.         268. 4780.       322. 5294.         269. 4801.       323. 5295. <td></td> <td></td> <td></td> <td></td>				
243. 4608.       297. 5107.         244. 4610, 4631.       298. 5118, 5281.         245. 4620, 5167 b.       299. 5118.         246. 4620, 4630, 4896 a.       300. 5136.         247. 4622.       301. 5136.         248. 4628.       302. 5144.         249. 4634, 5171, 5197, 5212.       303. 5106.         250. 4642.       304. 5170.         251. 4645.       305. 5176.         252. 4658.       306. 5179.         253. 4639.       307. 5189.         254. 4663.       308. 4860 a.         255. 4693.       309. 5196.         257. 4694.       310. 5193, 5203.         257. 4694.       311. 5203.         258. 4695.       310. 5193, 5203.         257. 4694.       311. 5203.         258. 4695.       312. 5215.         259. 4699, 5294.       313. 5218.         260. 4699.       314. 5218.         261. 4717.       315. 5220.         263. 4762.       316. 5230, 5247, 5267.         264. 4762.       318. 5290.         265. 4792, 4819, 5218, 5252.       319. 5292.         266. 4780.       320. 5293.         270. 4815, 4828, 4831.       324. 5295.         271. 4829, 4834. 4836.       325. 5299.	241.	<i>4593</i> .		
244. 4616, 4631. 245. 4620, 5167 b. 246. 4620, 4630, 4896 a. 247. 4622. 248. 4628. 249. 4634, 5171, 5197, 5212. 250. 4642. 251. 4645. 252. 4658. 253. 4659. 254. 4693, 4696. 255. 4693, 4696. 256. 4693, 4696. 257. 4694. 258. 4695. 259. 4699, 5294. 261. 4717. 262. 4755, 4895, 5172. 263. 4762. 264. 4762. 265. 4792, 4819, 5218, 5252. 266. 4780. 267. 4795. 268. 4780. 269. 4801. 270. 4815, 4828, 4831. 271. 4829, 4834, 4836. 272. 4856. 273. 4515, 4857, 5190. 274. 4858. 275. 4872. 279. 4872. 279. 4872. 279. 4872. 280. 4890, 5054, 5057. 281. 4890. 282. 4901, 4904, 5122. 283. 4903. 282. 4901, 4904, 5122. 283. 4903. 298. 5118, 5281. 299. 5118. 300. 5136. 300. 5136. 300. 5136. 300. 5170. 301. 5136. 302. 5144. 303. 5106. 304. 5170. 304. 5170. 305. 5170. 306. 5179. 307. 5189. 307. 5189. 307. 5189. 307. 5189. 308. 4860 a. 309. 5196. 309. 5196. 310. 5193, 5203. 311. 5203. 311. 5203. 312. 5215. 313. 5215. 313. 5216. 314. 5218. 315. 5220. 316. 5230, 5247, 5267. 317. 5276. 318. 5290. 320. 5293. 321. 5293. 322. 5294. 328. 1934 a. 328. 1934 a. 328. 1934 a. 338. 4534 a. 338. 4534 a. 338. 4534 a. 338. 4534 a. 338. 4615 b. 338. 4615 b. 338. 4678 a. 337. 5086 g, 5086 k.				
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245. 4620, 5167 b. 246. 4620, 4630, 4896 a. 247. 4622. 248. 4628. 249. 4634, 5171, 5197, 5212. 250. 4642. 251. 4645. 252. 4658. 254. 4663. 255. 4693. 255. 4693. 256. 4694. 257. 4694. 258. 4699, 5294. 260. 4699. 261. 4717. 262. 4755, 4895, 5172. 263. 4762. 264. 4762. 266. 4780. 267. 4795. 268. 4780. 269. 4801. 271. 4829, 4834, 4836. 275. 4864. 273. 4515, 4828, 4831. 274. 4858. 275. 4864. 277. 4872. 278. 4872. 279. 4872. 280. 4890, 5054, 5057. 281. 4890. 282. 4901, 4904, 5122. 283. 4903. 300. 5136. 301. 5136. 301. 5136. 301. 5136. 301. 5170. 303. 5166. 304. 5170. 305. 5176. 305. 5176. 304. 5170. 305. 5176. 306. 5179. 307. 5189. 308. 4860 a. 309. 5196. 310. 5193, 5203. 311. 5203. 311. 5203. 312. 5215. 313. 5218. 314. 5218. 315. 5220. 316. 5230, 5247, 5267. 318. 5290. 319. 5292. 320. 5293. 320. 5293. 321. 5293. 322. 5294. 323. 5295. 324. 45295. 325. 5299. 327. 1294 a. 327. 1294 a. 328. 1934 a. 329. 3383 a. 326. 5317. 327. 4872. 331. 4534 a. 332. 4534 a. 332. 4534 a. 333. 4534 a. 334. 4610 d. 335. 4615 b. 282. 4901, 4904, 5122. 336. 4678 a. 337. 5086 g, 5086 k.	244.	<i>4616</i> , <i>4631</i> .	298.	<i>5118</i> , 5281.
246. 4620, 4630, 4896 a. 247. 4622. 248. 4628. 249. 4634, 5171, 5197, 5212. 251. 4645. 252. 4658. 253. 4659. 254. 4663. 255. 4693. 256. 4693. 4096. 257. 4694. 258. 4695. 259. 4699, 5294. 261. 4717. 261. 4717. 262. 4755, 4895, 5172. 263. 4762. 264. 4762. 265. 4792, 4819, 5218, 5252. 266. 4780. 267. 4795. 269. 4801. 270. 4815, 4828, 4831. 271. 4829, 4834, 4836. 272. 4856. 273. 4515, 4857, 5190. 282. 4890, 5054, 5057. 281. 4890. 282. 4901, 4904, 5122. 283. 4903. 300. 5136. 301. 5136. 302. 5144. 302. 5144. 303. 5166. 303. 5166. 304. 5170. 305. 5176. 307. 5189. 307. 5189. 307. 5189. 307. 5189. 308. 4860 a. 309. 5196. 310. 5193, 5203. 311. 5203. 311. 5203. 312. 5215. 313. 5218. 314. 5218. 315. 5220. 316. 5230, 5247, 5267. 317. 5276. 318. 5290. 319. 5292. 320. 5293. 321. 5293. 321. 5293. 322. 5294. 323. 5295. 324. 5295. 325. 5299. 326. 5317. 327. 1294 a. 328. 1934 a. 329. 3383 a. 327. 1294 a. 331. 4534 a. 332. 4534 a. 333. 4534 a. 334. 4610 d. 335. 4615 b. 282. 4901, 4904, 5122. 336. 4678 a. 337. 5086 g, 5086 k.	245.	4620; 5167 b.		
247. 4629. 248. 4628. 249. 4634, 5171, 5197, 5212. 250. 4642. 251. 4645. 252. 4658. 253. 4659. 254. 4663. 255. 4693. 256. 4693, 4096. 257. 4699. 258. 4699, 5294. 260. 4699. 261. 4717. 262. 4755, 4895, 5172. 263. 4762. 264. 4762. 265. 4780. 267. 4795. 268. 4780. 269. 4801. 270. 4815, 4828, 4831. 271. 4829, 4834, 4836. 272. 4856. 273. 4515, 4857, 5190. 274. 4872. 279. 4872. 279. 4872. 280. 4890, 5054, 5057. 281. 4890. 282. 4901, 4904, 5122. 283. 4903.  303. 5136. 302. 5144. 303. 5166. 304. 5170. 304. 5170. 305. 5170. 306. 5179. 307. 5189. 308. 4860 a. 309. 5196. 310. 5193, 5203. 311. 5203. 312. 5215. 313. 5218. 314. 5218. 315. 5220. 316. 5230, 5247, 5267. 317. 5276. 318. 5290. 320. 5293. 321. 5293. 321. 5293. 322. 5294. 323. 5295. 324. 5295. 325. 5299. 326. 5317. 327. 1294 a. 328. 1934 a. 329. 3383 a. 327. 1294 a. 339. 3557 a. 331. 4534 a. 332. 4534 a. 332. 4534 a. 333. 4534 a. 334. 4610 d. 335. 4615 b. 282. 4901, 4904, 5122. 336. 4678 a. 337. 5086 g, 5086 k.	246.	4620, 4630, 4896 a.	300.	<i>5136</i> .
248. 4628. 249. 4634, 5171, 5197, 5212. 250. 4642. 251. 4645. 252. 4658. 253. 4659. 254. 4663. 255. 4693. 256. 4693, 4696. 257. 4694. 258. 4695. 259. 4699, 5294. 260. 4699. 261. 4717. 261. 4762. 263. 4762. 264. 4762. 265. 4792, 4819, 5218, 5252. 266. 4780. 267. 4795. 268. 4780. 269. 4801. 271. 4829, 4834, 4836. 272. 4858. 273. 4872. 273. 4872. 280. 4890, 5054, 5057. 281. 4890. 282. 4901, 4904, 5122. 283. 4903. 281. 5202. 303. 5166. 304. 5170. 305. 5176. 305. 5176. 305. 5176. 305. 5176. 305. 5176. 305. 5179. 307. 5189. 308. 4860 a. 309. 5196. 310. 5193, 5203. 311. 5203. 311. 5203. 312. 5215. 312. 5215. 313. 5218. 314. 5218. 315. 5220. 316. 5230, 5247, 5267. 317. 5276. 317. 5276. 318. 5290. 320. 5293. 321. 5293. 322. 5294. 323. 5295. 324. 5295. 325. 5294. 326. 5317. 327. 1294 a. 328. 1934 a. 329. 3383 a. 327. 1294 a. 331. 4534 a. 332. 4534 a. 333. 4534 a. 334. 4610 d. 335. 4615 b. 336. 4678 a. 337. 5086 g, 5086 k.				
249. 4634, 5171, 5197, 5212.       303. 5166.         250. 4642.       304. 5170.         251. 4645.       306. 5179.         252. 4658.       306. 5179.         253. 4659.       307. 5189.         254. 4663.       308. 4860 α.         255. 4693.       309. 5196.         257. 4694.       310. 5193, 5203.         257. 4694.       311. 5203.         258. 4695.       312. 5215.         259. 4699, 5294.       313. 5218.         260. 4699.       314. 5218.         261. 4717.       315. 5220.         263. 4762.       316. 5230, 5247, 5267.         264. 4762.       318. 5290.         265. 4792, 4819, 5218, 5252.       319. 5292.         266. 4780.       322. 5293.         267. 4795.       321. 5293.         268. 4780.       322. 5294.         269. 4801.       323. 5295.         271. 4829, 4834, 4836.       322. 5295.         272. 4856.       325. 5299.         273. 4515, 4857, 5190.       327. 1294 α.         274. 4858.       329. 3383 α.         275. 4864.       329. 3383 α.         276. 4867.       331. 4534 α.         279. 4872.       331. 4534 α.         2				
250. 4642. 251. 4645. 252. 4658. 253. 4659. 254. 4663. 255. 4693. 256. 4693, 4696. 257. 4694. 258. 4699. 259. 4699. 260. 4699. 261. 4717. 262. 4755, 4895, 5172. 263. 4762. 264. 4762. 264. 4762. 265. 4792, 4819, 5218, 5252. 266. 4780. 267. 4795. 269. 4801. 270. 4815, 4828, 4831. 271. 4829, 4834, 4836. 272. 4858. 273. 4872. 273. 4872. 280. 4890, 5054, 5057. 281. 4890. 282. 4901, 4904, 5122. 282. 4901, 4904, 5122. 283. 4903. 306. 5170. 306. 5270. 306. 5279. 307. 5189. 307. 5189. 308. 4860 α. 319. 5196. 310. 5193, 5203. 311. 5203. 312. 5215. 313. 5218. 314. 5218. 315. 5220. 316. 5230, 5247, 5267. 317. 5276. 318. 5290. 319. 5292. 320. 5293. 321. 5293. 321. 5293. 321. 5293. 322. 5294. 323. 5295. 324. 5295. 327. 1294 α. 328. 1934 α. 329. 3383 α. 336. 4678 α. 333. 4534 α. 334. 4610 d. 335. 4615 b. 336. 4678 α. 337. 5086 g, 5086 k.	249	4634 5171 5197 5919		
251. 4645. 252. 4658. 253. 4659. 254. 4663. 255. 4693. 256. 4693, 4096. 257. 4694. 258. 4699. 259. 4699. 259. 4699. 251. 4777. 262. 4755, 4895, 5172. 263. 4762. 264. 4762. 265. 4792, 4819, 5218, 5252. 266. 4780. 267. 4795. 268. 4780. 269. 4801. 270. 4815, 4828, 4831. 271. 4829, 4834, 4836. 272. 4858. 273. 4872. 273. 4872. 274. 4872. 280. 4890, 5054, 5057. 281. 4890. 282. 4901, 4904, 5122. 283. 4903. 307. 5176. 306. 5179. 307. 5179. 307. 5189. 307. 5189. 307. 5189. 307. 5189. 308. 4860 α. 309. 5196. 310. 5193, 5203. 311. 5203. 311. 5203. 312. 5215. 313. 5218. 314. 5218. 315. 5220. 316. 5230, 5247, 5267. 317. 5276. 318. 5290. 319. 5292. 320. 5293. 321. 5293. 321. 5293. 322. 5294. 323. 5295. 324. 5295. 327. 1294 α. 328. 1934 α. 329. 3383 α. 34534 α. 339. 5086 μ. 328. 4901, 4904, 5122. 336. 4678 α. 337. 5086 μ, 5086 μ.				
253. 4659.       307. 5189.         254. 4663.       308. 4860 a.         255. 4693.       309. 5196.         256. 4693, 4696.       310. 5193, 5203.         257. 4694.       311. 5203.         258. 4695.       312. 5215.         259. 4699, 5294.       313. 5218.         260. 4699.       314. 5218.         261. 4717.       315. 5220.         262. 4755, 4895, 5172.       316. 5230, 5247, 5267.         263. 4762.       317. 5276.         264. 4762.       318. 5290.         265. 4792, 4819, 5218, 5252.       320. 5293.         266. 4780.       322. 5294.         269. 4801.       323. 5295.         270. 4815, 4828, 4831.       322. 5294.         269. 4801.       323. 5295.         271. 4829, 4834, 4836.       325. 5299.         272. 4856.       326. 5317.         273. 4515, 4857, 5190.       326. 5317.         274. 4858.       328. 1934 a.         275. 4864.       329. 3383 a.         276. 4867.       330. 3557 a.         277. 4872.       331. 4534 a.         279. 4872.       334. 4610 d.         280. 4890, 5054, 5057.       334. 4610 d.         281. 4890.       335. 4615 b.			205	517G
253. 4659.       307. 5189.         254. 4663.       308. 4860 a.         255. 4693.       309. 5196.         256. 4693, 4696.       310. 5193, 5203.         257. 4694.       311. 5203.         258. 4695.       312. 5215.         259. 4699, 5294.       313. 5218.         260. 4699.       314. 5218.         261. 4717.       315. 5220.         262. 4755, 4895, 5172.       316. 5230, 5247, 5267.         263. 4762.       317. 5276.         264. 4762.       318. 5290.         265. 4792, 4819, 5218, 5252.       320. 5293.         266. 4780.       322. 5294.         269. 4801.       323. 5295.         270. 4815, 4828, 4831.       322. 5294.         269. 4801.       323. 5295.         271. 4829, 4834, 4836.       325. 5299.         272. 4856.       326. 5317.         273. 4515, 4857, 5190.       326. 5317.         274. 4858.       328. 1934 a.         275. 4864.       329. 3383 a.         276. 4867.       330. 3557 a.         277. 4872.       331. 4534 a.         279. 4872.       334. 4610 d.         280. 4890, 5054, 5057.       334. 4610 d.         281. 4890.       335. 4615 b.	201. 0≈0	4040.	300.	5170. E1~0
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255. 4693. 256. 4693, 4696. 257. 4694. 258. 4695. 259. 4699, 5294. 261. 4717. 262. 4755, 4895, 5172. 263. 4762. 264. 4762. 265. 4792, 4819, 5218, 5252. 266. 4780. 267. 4795. 268. 4780. 269. 4801. 270. 4815, 4828, 4831. 271. 4829, 4834, 4836. 272. 4856. 273. 4515, 4857, 5190. 274. 4858. 275. 4864. 276. 4867. 277. 4872. 277. 4872. 279. 4872. 280. 4890, 5054, 5057. 281. 4890. 282. 4901, 4904, 5122. 283. 4903.			307.	2169.
256.       4693, 4696.         257.       4694.         258.       4695.         259.       4699, 5294.         260.       4699.         *261.       4717.         262.       4755, 4895, 5172.         263.       4762.         264.       4762.         265.       4792, 4819, 5218, 5252.         266.       4780.         267.       4795.         268.       4780.         269.       4801.         270.       4815, 4828, 4831.         271.       4829, 4834, 4836.         272.       4856.         273.       4515, 4857, 5190.         274.       4858.         275.       4864.         276.       4872.         277.       4872.         279.       4872.         280.       4890, 5054, 5057.         281.       4890.         282.       4901, 4904, 5122.         283.       4903.			308.	4800 α.
257. 4694. 258. 4695. 259. 4699, 5294. 260. 4699. 261. 4717. 262. 4755, 4895, 5172. 263. 4762. 264. 4762. 265. 4792, 4819, 5218, 5252. 266. 4780. 267. 4795. 269. 4801. 270. 4815, 4828, 4831. 271. 4829, 4834, 4836. 272. 4856. 273. 4515, 4857, 5190. 274. 4858. 275. 4864. 276. 4867. 277. 4872. 278. 4872. 279. 4872. 280. 4890, 5054, 5057. 281. 4890. 282. 4901, 4904, 5122. 283. 4903. 311. 5203. 312. 5215. 313. 5218. 314. 5218. 315. 5220. 316. 5230, 5247, 5267. 318. 5290. 319. 5292. 320. 5293. 321. 5293. 321. 5293. 322. 5294. 323. 5295. 324. 5295. 325. 5299. 326. 5317. 327. 1294 a. 329. 3383 a. 327. 1294 a. 329. 3383 a. 329. 3383 a. 324. 5334 a. 329. 3383 a. 331. 4534 a. 332. 4534 a. 333. 4534 a. 333. 4534 a. 334. 4610 d. 335. 4615 b. 336. 4678 a. 337. 5086 g, 5086 k.	255.	4693.		
258. 4695.       312. 5215.         259. 4699, 5294.       313. 5218.         260. 4699.       314. 5218.         *261. 4717.       315. 5220.         262. 4755, 4895, 5172.       316. 5230, 5247, 5267.         263. 4762.       317. 5276.         264. 4762.       318. 5290.         265. 4792, 4819, 5218, 5252.       319. 5292.         266. 4780.       320. 5293.         267. 4795.       321. 5293.         268. 4780.       322. 5294.         269. 4801.       323. 5295.         270. 4815, 4828, 4831.       324. 5295.         271. 4829, 4834, 4836.       325. 5299.         272. 4856.       326. 5317.         273. 4515, 4857, 5190.       327. 1294 a.         274. 4858.       329. 3383 a.         275. 4864.       329. 3383 a.         276. 4867.       330. 3557 a.         277. 4872.       331. 4534 a.         280. 4890, 5054, 5057.       334. 4610 d.         281. 4890.       335. 4615 b.         282. 4901, 4904, 5122.       336. 4678 a.         283. 4903.       337. 5086 g, 5086 k.			310.	5193, 5203.
259. 4699, 5294.       313. 5218.         260. 4699.       314. 5218.         261. 4717.       315. 5220.         262. 4755, 4895, 5172.       316. 5230, 5247, 5267.         263. 4762.       317. 5276.         264. 4762.       318. 5290.         265. 4792, 4819, 5218, 5252.       319. 5292.         266. 4780.       320. 5293.         267. 4795.       321. 5293.         268. 4780.       322. 5294.         269. 4801.       323. 5295.         270. 4815, 4828, 4831.       324. 5295.         271. 4829, 4834, 4836.       325. 5299.         272. 4856.       326. 5317.         273. 4515, 4857, 5190.       327. 1294 a.         274. 4858.       329. 3383 a.         275. 4864.       329. 3383 a.         276. 4867.       330. 3557 a.         277. 4872.       331. 4534 a.         280. 4890, 5054, 5057.       334. 4610 d.         281. 4890.       335. 4615 b.         282. 4901, 4904, 5122.       336. 4678 a.         283. 4903.       337. 5086 g, 5086 k.				
• 261. 4717.       315. 5220.         262. 4755, 4895, 5172.       316. 5230, 5247, 5267.         263. 4762.       317. 5276.         264. 4762.       318. 5290.         265. 4792, 4819, 5218, 5252.       319. 5292.         266. 4780.       320. 5293.         267. 4795.       321. 5293.         268. 4780.       322. 5294.         269. 4801.       323. 5295.         270. 4815, 4828, 4831.       324. 5295.         271. 4829, 4834, 4836.       325. 5299.         272. 4856.       326. 5317.         273. 4515, 4857, 5190.       327. 1294 a.         274. 4858.       329. 3383 a.         275. 4864.       329. 3383 a.         276. 4867.       330. 3557 a.         277. 4872.       331. 4534 a.         280. 4890, 5054, 5057.       334. 4610 d.         281. 4890.       335. 4615 b.         282. 4901, 4904, 5122.       336. 4678 a.         283. 4903.       337. 5086 g, 5086 k.			312.	<b>5215.</b>
• 261. 4717.       315. 5220.         262. 4755, 4895, 5172.       316. 5230, 5247, 5267.         263. 4762.       317. 5276.         264. 4762.       318. 5290.         265. 4792, 4819, 5218, 5252.       319. 5292.         266. 4780.       320. 5293.         267. 4795.       321. 5293.         268. 4780.       322. 5294.         269. 4801.       323. 5295.         270. 4815, 4828, 4831.       324. 5295.         271. 4829, 4834, 4836.       325. 5299.         272. 4856.       326. 5317.         273. 4515, 4857, 5190.       327. 1294 a.         274. 4858.       329. 3383 a.         275. 4864.       329. 3383 a.         276. 4867.       330. 3557 a.         277. 4872.       331. 4534 a.         280. 4890, 5054, 5057.       334. 4610 d.         281. 4890.       335. 4615 b.         282. 4901, 4904, 5122.       336. 4678 a.         283. 4903.       337. 5086 g, 5086 k.			313.	5218.
262.       4755, 4895, 5172.         263.       4762.         264.       4762.         265.       4792, 4819, 5218, 5252.         266.       4780.         267.       4795.         268.       4780.         269.       4801.         270.       4815, 4828, 4831.         271.       4829, 4834, 4836.         272.       4856.         273.       4515, 4857, 5190.         274.       4858.         275.       4864.         276.       4867.         277.       4872.         278.       4872.         280.       4890, 5054, 5057.         281.       4890.         282.       4901, 4904, 5122.         283.       4903.				
262. 4755, 4895, 5172.       316. 5230, 5247, 5267.         263. 4762.       317. 5276.         264. 4762.       318. 5290.         265. 4792, 4819, 5218, 5252.       319. 5292.         266. 4780.       320. 5293.         267. 4795.       321. 5293.         268. 4780.       322. 5294.         269. 4801.       323. 5295.         270. 4815, 4828, 4831.       324. 5295.         271. 4829, 4834, 4836.       325. 5299.         272. 4856.       326. 5317.         273. 4515, 4857, 5190.       327. 1294 a.         274. 4858.       329. 3383 a.         276. 4867.       330. 3557 a.         277. 4872.       331. 4534 a.         278. 4872.       332. 4534 a.         280. 4890, 5054, 5057.       334. 4610 d.         282. 4901, 4904, 5122.       336. 4678 a.         283. 4903.       337. 5086 g, 5086 k.			315.	5220.
263. 4762.       317. 5276.         264. 4762.       318. 5290.         265. 4792, 4819, 5218, 5252.       319. 5292.         266. 4780.       320. 5293.         267. 4795.       321. 5293.         268. 4780.       322. 5294.         269. 4801.       323. 5295.         270. 4815, 4828, 4831.       324. 5295.         271. 4829, 4834, 4836.       325. 5299.         272. 4856.       326. 5317.         273. 4515, 4857, 5190.       327. 1294 a.         274. 4858.       329. 3383 a.         275. 4864.       329. 3383 a.         276. 4867.       330. 3557 a.         277. 4872.       331. 4534 a.         278. 4872.       331. 4534 a.         280. 4890, 5054, 5057.       34. 4610 d.         281. 4890.       335. 4615 b.         282. 4901, 4904, 5122.       336. 4678 a.         283. 4903.       337. 5086 g, 5086 k.	262.	<i>4755</i> , <i>4895</i> , <i>5172</i> .	316.	5230, 5247, 5267.
264. 4762. 265. 4792, 4819, 5218, 5252. 266. 4780. 267. 4795. 268. 4780. 269. 4801. 270. 4815, 4828, 4831. 271. 4829, 4834, 4836. 272. 4856. 273. 4515, 4857, 5190. 274. 4858. 275. 4864. 276. 4867. 277. 4872. 277. 4872. 278. 4872. 280. 4890, 5054, 5057. 281. 4890. 282. 4901, 4904, 5122. 283. 4903. 318. 5290. 319. 5292. 320. 5293. 321. 5293. 322. 5294. 323. 5295. 324. 5295. 325. 5299. 326. 5317. 327. 1294 a. 327. 1294 a. 328. 1934 a. 329. 3383 a. 34534 a. 331. 4534 a. 332. 4534 a. 333. 4534 a. 334. 4610 d. 335. 4615 b. 336. 4678 a. 337. 5086 g, 5086 k.	263.	4762.		
265.       4792, 4819, 5218, 5252.       319.       5292.         266.       4780.       320.       5293.         267.       4795.       321.       5293.         268.       4780.       322.       5294.         269.       4801.       323.       5295.         270.       4815, 4828, 4831.       324.       5295.         271.       4829, 4834, 4836.       325.       5299.         272.       4856.       326.       5317.         273.       4515, 4857, 5190.       327.       1294 a.         274.       4858.       328.       1934 a.         275.       4864.       329.       3383 a.         276.       4867.       331.       4534 a.         277.       4872.       331.       4534 a.         279.       4872.       333.       4534 a.         280.       4890, 5054, 5057.       334.       4615 b.         281.       4890.       335.       4615 b.         282.       4901, 4904, 5122.       336.       4678 a.         283.       4903.       337.       5086 g, 5086 k.	264.	4762.		
266. 4780.       320. 5293.         267. 4795.       321. 5293.         268. 4780.       322. 5294.         269. 4801.       323. 5295.         270. 4815, 4828, 4831.       324. 5295.         271. 4829, 4834, 4836.       325. 5299.         272. 4856.       326. 5317.         273. 4515, 4857, 5190.       327. 1294 a.         274. 4858.       328. 1934 a.         275. 4864.       329. 3383 a.         276. 4867.       330. 3557 a.         277. 4872.       331. 4534 a.         278. 4872.       332. 4534 a.         280. 4890, 5054, 5057.       334. 4610 d.         281. 4890.       335. 4615 b.         282. 4901, 4904, 5122.       336. 4678 a.         283. 4903.       337. 5086 g, 5086 k.				
267. 4795. 268. 4780. 269. 4801. 270. 4815, 4828, 4831. 271. 4829, 4834, 4836. 272. 4856. 273. 4515, 4857, 5190. 274. 4858. 275. 4864. 276. 4867. 277. 4872. 278. 4872. 279. 4872. 280. 4890, 5054, 5057. 281. 4890. 282. 4901, 4904, 5122. 283. 4903. 322. 5294. 323. 5295. 324. 5295. 324. 5295. 325. 5299. 326. 5317. 327. 1294 a. 327. 1294 a. 328. 1934 a. 330. 3557 a. 331. 4534 a. 33557 a. 331. 4534 a. 332. 4534 a. 333. 4534 a. 335. 4615 b. 336. 4678 a. 337. 5086 g, 5086 k.				
268. 4780.       322. 5294.         269. 4801.       323. 5295.         270. 4815, 4828, 4831.       324. 5295.         271. 4829, 4834, 4836.       325. 5299.         272. 4856.       326. 5317.         273. 4515, 4857, 5190.       327. 1294 a.         274. 4858.       328. 1934 a.         275. 4864.       329. 3383 a.         276. 4867.       330. 3557 a.         277. 4872.       331. 4534 a.         279. 4872.       332. 4534 a.         280. 4890, 5054, 5057.       334. 4610 d.         281. 4890.       335. 4615 b.         282. 4901, 4904, 5122.       336. 4678 a.         283. 4903.       337. 5086 g, 5086 k.	267.	4795.		
269. 4801.       323. 5295.         270. 4815, 4828, 4831.       324. 5295.         271. 4829, 4834, 4836.       325. 5299.         272. 4856.       326. 5317.         273. 4515, 4857, 5190.       327. 1294 a.         274. 4858.       328. 1934 a.         275. 4864.       329. 3383 a.         276. 4867.       330. 3557 a.         277. 4872.       331. 4534 a.         279. 4872.       332. 4534 a.         280. 4890, 5054, 5057.       334. 4610 d.         281. 4890.       335. 4615 b.         282. 4901, 4904, 5122.       336. 4678 a.         283. 4903.       337. 5086 g, 5086 k.				
270.       4815, 4828, 4831.         271.       4829, 4834, 4836.         272.       4856.         273.       4515, 4857, 5190.         274.       4858.         275.       4864.         277.       4872.         278.       4872.         280.       4890, 5054, 5057.         281.       4890.         282.       4901, 4904, 5122.         283.       4903.				
271. 4829, 4834, 4836.       325. 5299.         272. 4856.       326. 5317.         273. 4515, 4857, 5190.       327. 1294 a.         274. 4858.       328. 1934 a.         275. 4864.       329. 3383 a.         276. 4867.       330. 3557 a.         277. 4872.       331. 4534 a.         279. 4872.       332. 4534 a.         280. 4890, 5054, 5057.       334. 4610 d.         281. 4890.       335. 4615 b.         282. 4901, 4904, 5122.       336. 4678 a.         283. 4903.       337. 5086 g, 5086 k.				
272. 4856.       326. 5317.         273. 4515, 4857, 5190.       327. 1294 a.         274. 4858.       328. 1934 a.         275. 4864.       329. 3383 a.         276. 4867.       330. 3557 a.         277. 4872.       331. 4534 a.         279. 4872.       332. 4534 a.         280. 4890, 5054, 5057.       334. 4610 d.         281. 4890.       335. 4615 b.         282. 4901, 4904, 5122.       336. 4678 a.         283. 4903.       337. 5086 g, 5086 k.	271	1890 1821 1826		
273. 4515, 4857, 5190.       327. 1294 a.         274. 4858.       328. 1934 a         275. 4864.       329. 3383 a.         276. 4867.       330. 3557 a.         277. 4872.       331. 4534 a.         278. 4872.       332. 4534 a.         280. 4890, 5054, 5057.       334. 4610 d.         281. 4890.       335. 4615 b.         282. 4901, 4904, 5122.       336. 4678 a.         283. 4903.       337. 5086 g, 5086 k.				
274. 4858.       328. 1934 a         275. 4864.       329. 3383 a.         276. 4867.       330. 3557 a.         277. 4872.       331. 4534 a.         278. 4872.       332. 4534 a.         280. 4890, 5054, 5057.       334. 4610 d.         281. 4890.       335. 4615 b.         282. 4901, 4904, 5122.       336. 4678 a.         283. 4903.       337. 5086 g, 5086 k.				
275. 4864.       329. 3383 a.         276. 4867.       330. 3557 a.         277. 4872.       331. 4534 a.         278. 4872.       332. 4534 a.         279. 4872.       333. 4534 a.         280. 4890, 5054, 5057.       334. 4610 d.         281. 4890.       335. 4615 b.         282. 4901, 4904, 5122.       336. 4678 a.         283. 4903.       337. 5086 g, 5086 k.			1	
276. 4867.       330. 3557 a.         277. 4872.       331. 4534 a.         278. 4872.       332. 4534 a.         279. 4872.       333. 4534 a.         280. 4890, 5054, 5057.       334. 4610 d.         281. 4890.       335. 4615 b.         282. 4901, 4904, 5122.       336. 4678 a.         283. 4903.       337. 5086 g, 5086 k.				
277. 4872.       331. 4534 a.         278. 4872.       332. 4534 a.         279. 4872.       333. 4534 a.         280. 4890, 5054, 5057.       334. 4610 d.         281. 4890.       335. 4615 b.         282. 4901, 4904, 5122.       336. 4678 a.         283. 4903.       337. 5086 g, 5086 k.			1	
278. 4872.       332. 4534 a.         279. 4872.       333. 4534 a.         280. 4890, 5054, 5057.       334. 4610 d.         281. 4890.       335. 4615 b.         282. 4901, 4904, 5122.       336. 4678 a.         283. 4903.       337. 5086 g, 5086 k.			1	
279. 4872.       333. 4534 a.         280. 4890, 5054, 5057.       334. 4610 d.         281. 4890.       335. 4615 b.         282. 4901, 4904, 5122.       336. 4678 a.         283. 4903.       337. 5086 g, 5086 k.				
280. 4890, 5054, 5057. 281. 4890. 282. 4901, 4904, 5122. 283. 4903. 334. 4610 d. 335. 4615 b. 336. 4678 a. 337. 5086 g, 5086 k.			1	
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282. 4901, 4904, 5122. 336. 4678 a. 283. 4903. 337. 5086 g, 5086 k.				
283. 4903. 337. 5086 g, 5086 k.			335.	4615 b.
283. $4903$ . $337. 5086 g, 5086 k$ .	282.	4901, 4904, 5122.	336.	4678 a.
004 4000	283.		337.	$5086  g,  5086  \vec{k}.$
284. 4900. 338. 5086 j.	284.	4906.	338.	5086 j.

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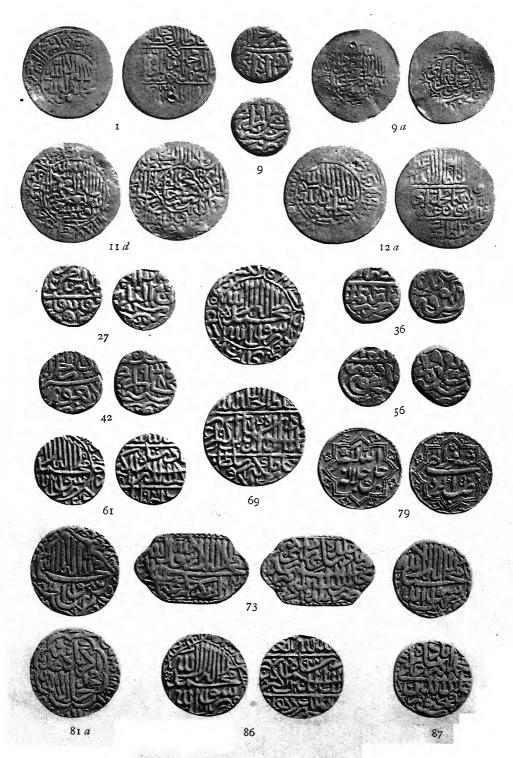
117	118	119	120	121	122	123	124	125
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#### LIST OF PLATES

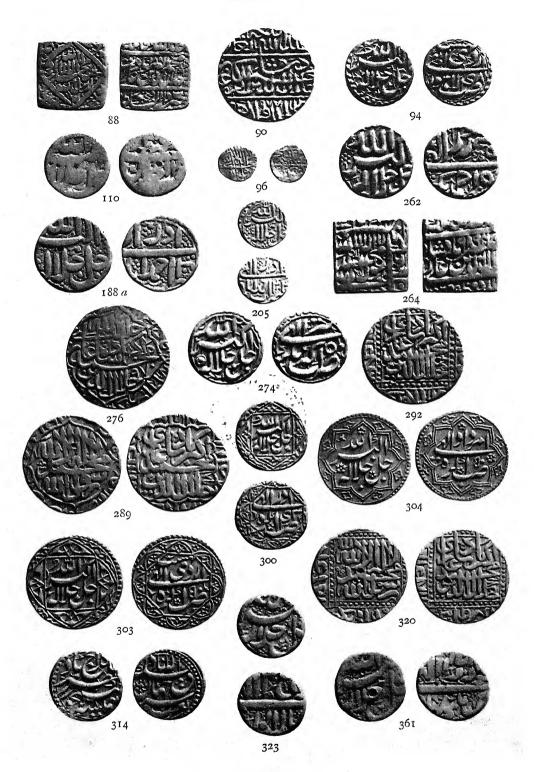
- I. BĀBUR, HUMAYŪN, AKBAR.
- II. AKBAR.
- III. AKBAR.
- IV. AKBAR.
- V. AKBAR, JAHĀNGĪR.
- VI. JAHANGĪR.
- VII. JAHĀNGĪR, JAHĀNGĪR WITH NŪR JAHĀN.
- VIII. JAHĀNGĪR, SHĀH JAHĀN.
  - IX. SHĀH JAHĀN.
    - X. SHĀH JAHĀN, MURĀD BAKHSH, SHAH SHUJĀ'.
  - XI. AURANGZEB.
  - XII. AURANGZEB.
- XIII. AURANGZEB, A'ZAM SHĀH, KĀM BAKHSH, SHĀH 'ĀLAM BAHĀDUR.
- XIV. SHAH 'ĀLAM BAHADUR, JAHĀNDĀR, FARRUKHSIYAR.
- XV. FARRUKHSIYAR, RAFĪ'U-D-DARJĀT.
- XVI. SHĀH JAHĀN II, MUḤAMMAD IBRĀHĪM, MUḤAMMAD SHAH.
- XVII. MUḤAMMAD SHĀH, AḤMAD SHĀH.
- XVIII. AḤMAD SHĀH, 'ĀLAMGĪR II.
  - XIX. SHĀH JAHĀN III, SHĀH 'ĀLAM II.
  - XX. SHĀH 'ĀLAM II.
  - XXI. SHĀH 'ĀLAM II.
- XXII. SHĀH 'ĀLAM II, BEDĀR BAKHT, AKBAR II, BAHĀDUR SHĀH.

### PLATE I



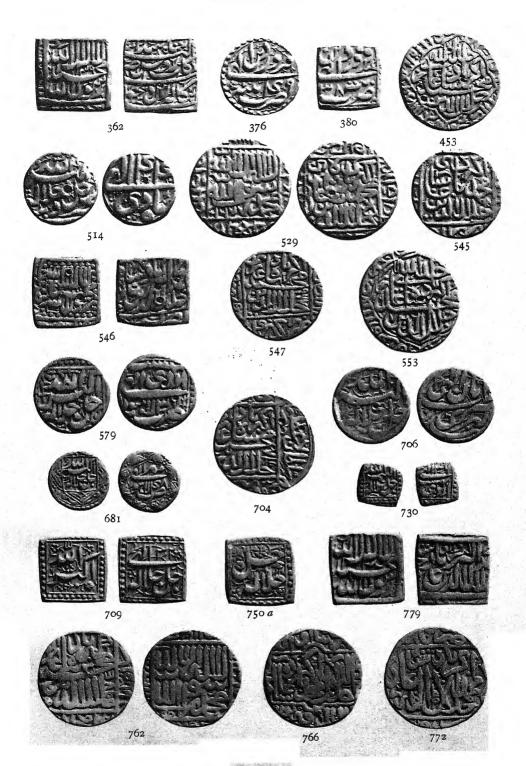
BĀBUR, HUMĀYŪN, AKBAR

### PLATE II



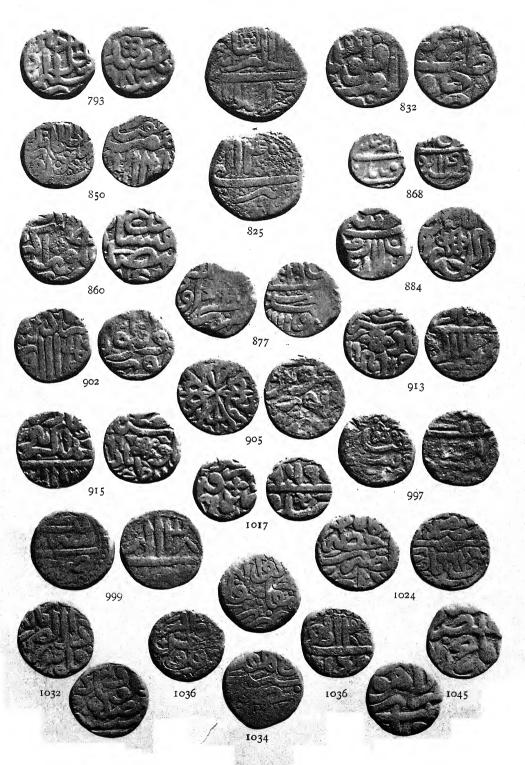
AKBAR

### PLATE III



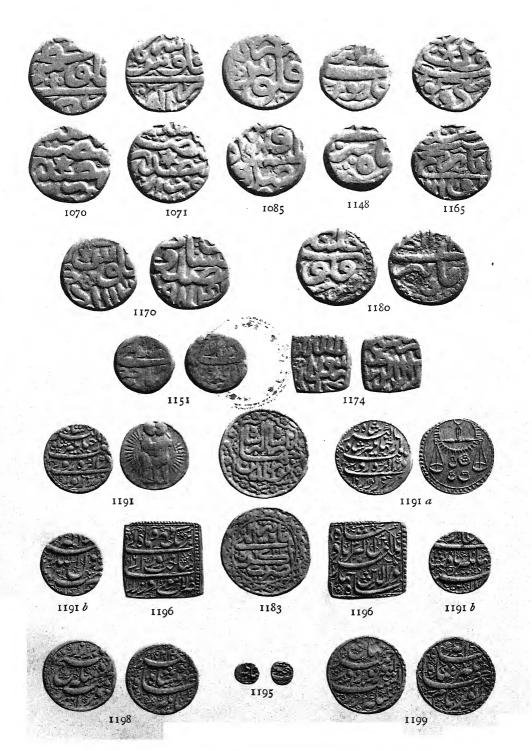
AKBAR

### PLATE IV



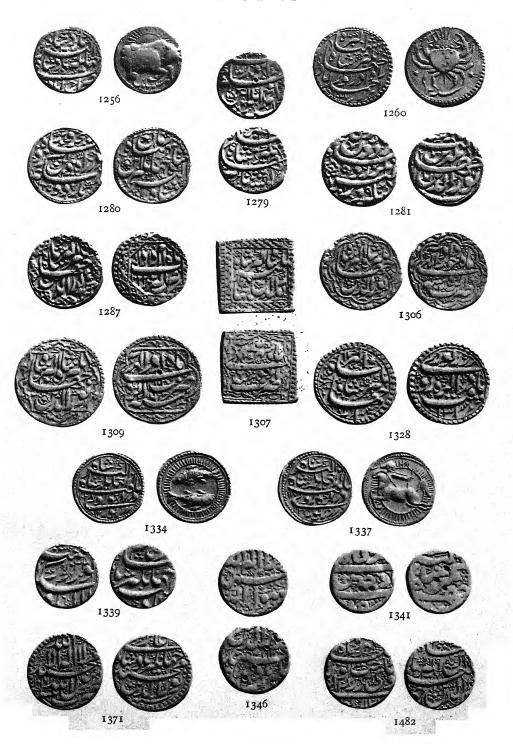
AKBAR

### PLATE V



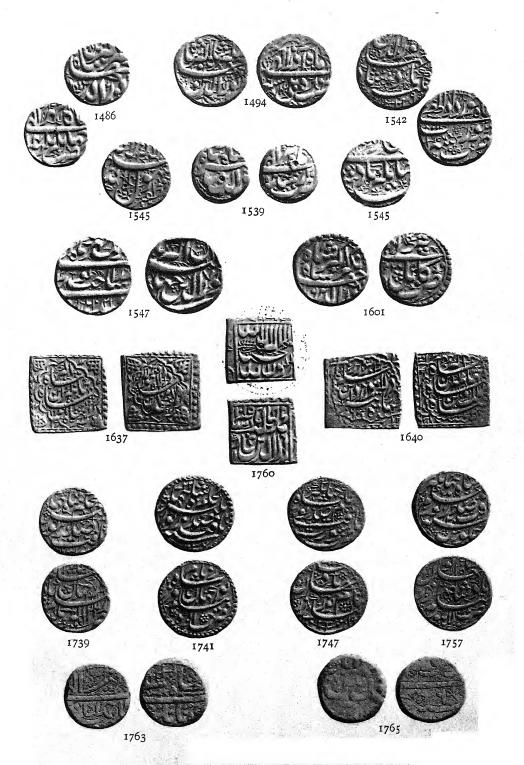
AKBAR—JAHĀNGĪR

### PLATE VI



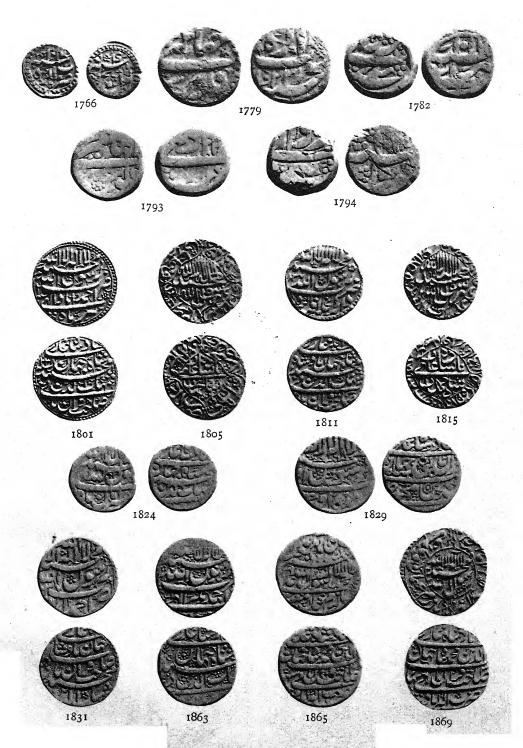
JAHĀNGĪR

#### PLATE VII



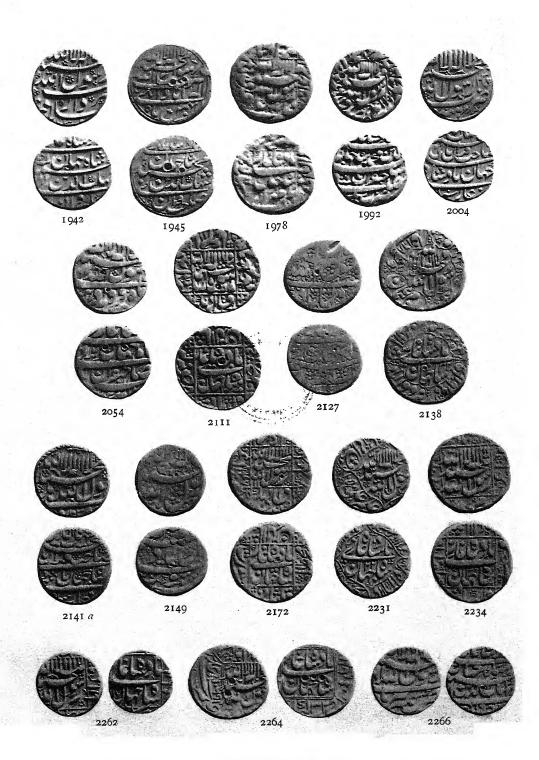
JAHĀNGĪR, JAHĀNGĪR WITH NŪR JAHĀN

### PLATE VIII



JAHĀNGĪR, SHĀH JAHĀN

### PLATE IX



SHĀH JAHĀN

### PLATE X



SHĀH JAHĀN, MURĀD BAKHSH, SHĀH SHUJĀ'

### PLATE XI



AURANGZEB

### PLATE XII



AURANGZEB

### PLATE XIII



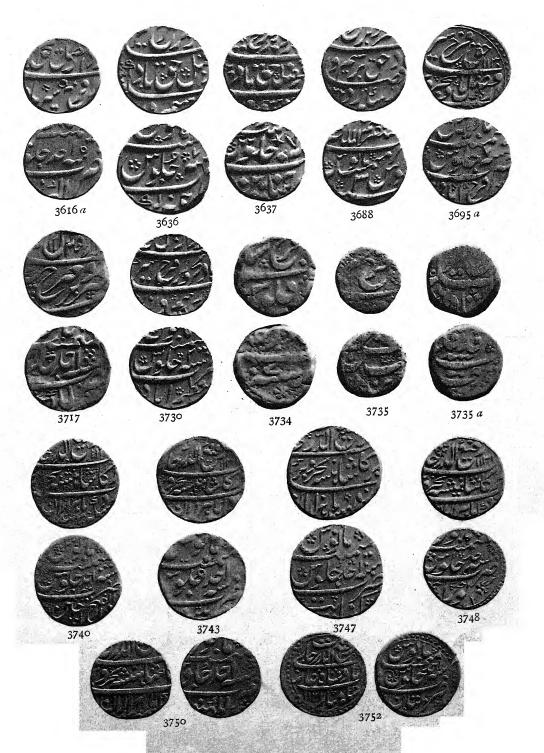
AURANGZEB, A'ZAM SHĀH, KĀM BAKHSH, SHĀH 'ĀLAM BAHĀDUR

#### PLATE XIV



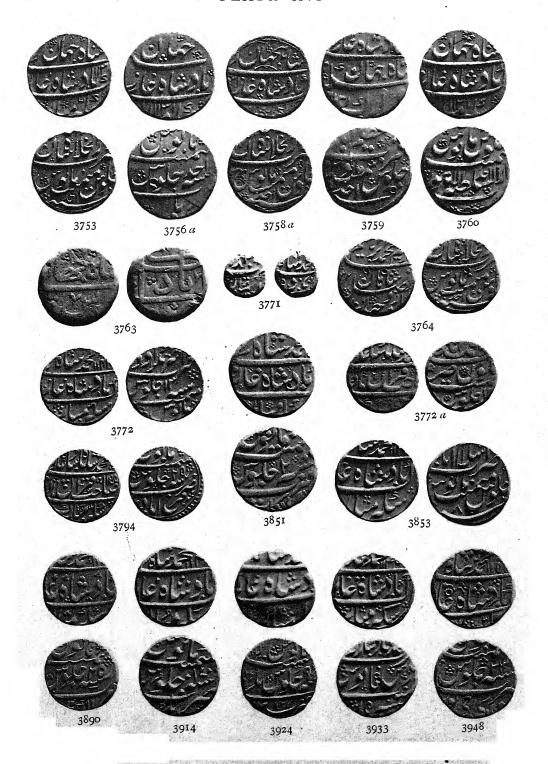
SHĀH ĀLAM BAHĀDUR, JAHĀNDĀR, FARRUKHSIYAR

#### PLATE XV



FARRUKHSIYAR, RAFTU-D-DARJĀT

### PLATE XVI



SHAH JAHAN II, MUHAMMAD IBRAHIM, MUHAMMAD SHAH

### PLATE XVII



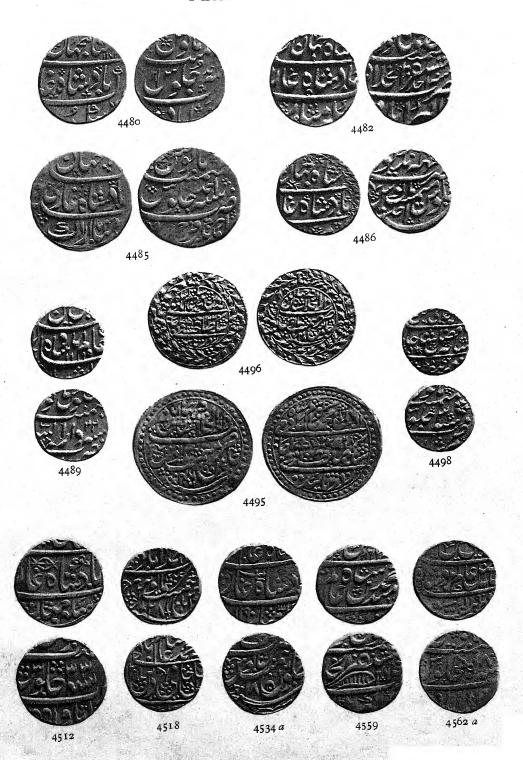
MUḤAMMAD SHĀH, AḤMAD SHĀH

#### PLATE XVIII



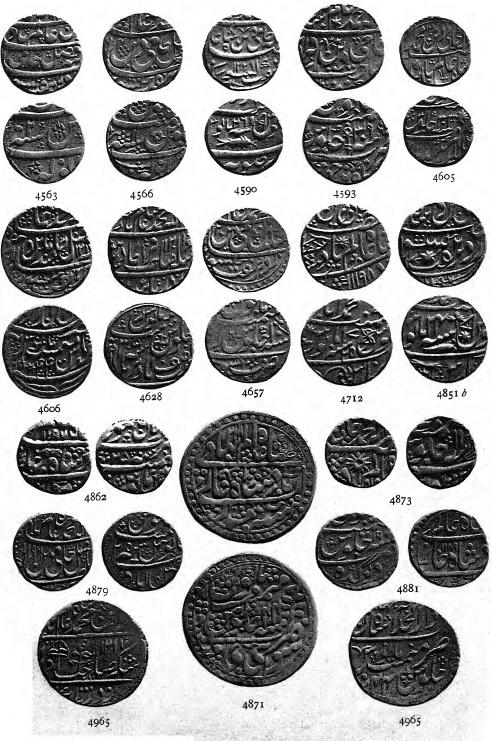
AHMAD SHĀH, 'ĀLAMGĪR II

## PLATE XIX



SHĀH JAHĀN III, SHĀH 'ĀLAM II

#### PLATE XX



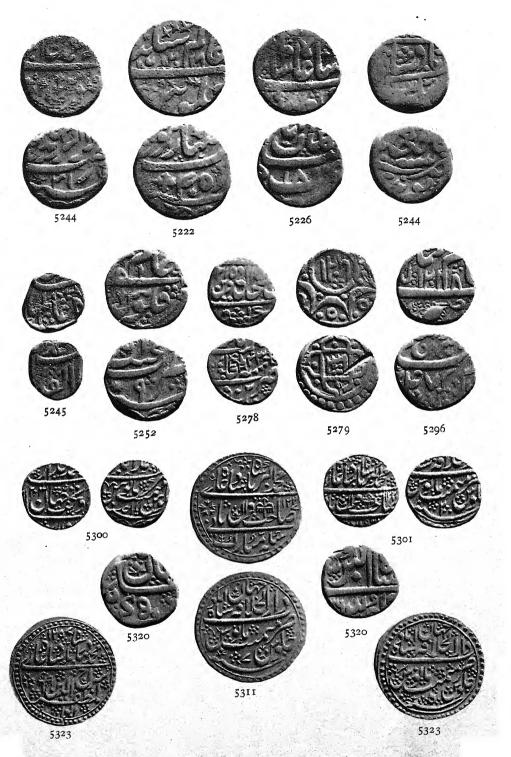
SHĀH 'ĀLAM II

### PLATE XXI



SHĀH 'ĀLAM II

### PLATE XXII



SHAH ALAM II, BEDAR BAKHT, AKBAR II, BAHADUR SHAH